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HaleyAldrich.com

**HALEY &  
ALDRICH**

17 May 2005  
File No. 28882-505

Boeing Realty Corporation  
4900 Conant Street, Building 1  
Long Beach, CA 90808

Attention: Mr. Brian Mossman

Subject: Field Data Report for the Lot 8 Phase III Amendment Well Installation  
Program, Former C-6 Facility, Los Angeles, California

Dear Mr. Mossman:

**OFFICES**

Boston  
Massachusetts

Cleveland  
Ohio

Dayton  
Ohio

Detroit  
Michigan

Hartford  
Connecticut

Kansas City  
Kansas

Los Angeles  
California

Manchester  
New Hampshire

Parsippany  
New Jersey

Portland  
Maine

Providence  
Rhode Island

Rochester  
New York

Santa Barbara  
California

Tucson  
Arizona

Washington  
District of Columbia

This letter summarizes and presents the field data collected during the installation of 43 amendment wells and 6 vapor monitoring wells during the Lot 8 Phase III amendment well installation program conducted in February and March 2005 at the former C-6 facility in Los Angeles, California. The well drilling and installation program was performed following the *Implementation Plan for Phases II and III of Lot 8 Groundwater Remediation Well Installation Program, Former Boeing C-6 Site, Los Angeles, California* prepared by Haley and Aldrich, Inc., revised on 3 December 2004.

The following is a brief summary of our field activities:

- A total of 43 amendment wells (AWs) (41 B-Sand and 2 C-Sand AWs) and 6 vapor monitoring wells were drilled and installed between 3 February and 7 March 2005 as Phase III of the AW installation program.
- The 43 Phase III AWs and two Phase II AW (AW0060C and AW0092C) were developed between 1 March and 10 March 2005 using the surge, bail and pump method.
- Following development, water injection tests (WIT) were performed on all 43 of the Phase III AWs and four Phase II AWs (AW0024UB, AW0060C, AW0061C, and AW0092C) between 2 March and 10 March 2005.

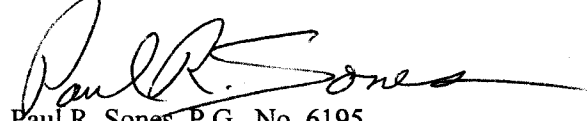
Documents relating to the Phase III AW Installation and testing program are included as attachments to this Field Data Report.

Boeing Realty Corporation  
17 May 2005  
Page 2

Please contact the undersigned at (619) 285-7102 if you have any questions or comments.

Sincerely,

**Haley and Aldrich, Inc.**

A handwritten signature in black ink, appearing to read "Paul R. Sones", with a long horizontal flourish extending to the right.

Paul R. Sones, P.G., No. 6195  
Senior Hydrogeologist

**Attachments:**

- Attachment A – Well Installation Permit
- Attachment B – Pre-field Activities Checklist, Standard Work Practices, and Incident Reporting Procedures
- Attachment C – Daily Field Reports for Well Installation and Well Development
- Attachment D – Well Construction Records
- Attachment E – Tailgate Safety Meeting Reports, Site Access Logs, and Records of Field Monitoring
- Attachment F – Driller's Daily Reports
- Attachment G – Well Development Records
- Attachment H – Water Injection Testing (WIT) Forms

**Attachment A**  
**Well Installation Permit**

**WELL PERMIT APPLICATION - NON-PRODUCTION WELLS**  
 WATER & SEWAGE / MOUNTAIN & RURAL PROGRAMS - ENVIRONMENTAL HEALTH DIVISION  
 5050 COMMERCE DRIVE, BALDWIN PARK, CA 91706 (626) 430-5380 FAX (626) 813-3016

DATE: 12/30/04

<input checked="" type="checkbox"/> NEW WELL CONSTRUCTION <input type="checkbox"/> RECONSTRUCTION OR RENOVATION <input type="checkbox"/> DECOMMISSIONING <input type="checkbox"/> OTHER:	<input type="checkbox"/> MONITORING <input type="checkbox"/> CATHODIC <input checked="" type="checkbox"/> INJECTION <input type="checkbox"/> EXTRACTION	<input type="checkbox"/> HEAT EXCHANGE <input type="checkbox"/> OTHER (Specify):
---	--	---

WELL LOCATION	SITE ADDRESS 1451 KNOX STREET CITY LOS ANGELES (TORRANCE) ZIP CODE 90501	
	Township	Range
	Section	Map Book Page/ Grid THOMAS BROS. P.763 J-3
NO. OF WELLS IN EACH PARCEL:		Attach site map with well locations SEE ATTACHED

WELL STRUCTURE	Type and Size of Production Casing	SEE ATTACHED FIGURE
	Sanitary / Annular Sealing Material	PHASE 3 AW's
	Depth of Sanitary / Annular Seal	
	Conductor Casing Seal	

Company	HALEY & ALDRICH	CONSULTANT
Contact Person	SCOTT ZACHARY / PAUL SONES	
Address	9040 FRIARS ROAD, SUITE 220	
City, State Zip	SAN DIEGO, CA 92108	
Telephone	619.280.9210	

IF WELL AND GEOLOGIC CONDITIONS ENCOUNTERED IN THE FIELD ARE FOUND TO DIFFER FROM THE SCOPE OF WORK PRESENTED TO THIS OFFICE, WORK PLAN MODIFICATIONS MAY BE REQUIRED

DISPOSITION OF PERMIT (Department Use Only)  
 THIS PERMIT IS CONSIDERED COMPLETE WHEN THE WORK PLAN IS APPROVED AND WHEN THE WELL COMPLETION LOG IS RECEIVED. NO WELL CONSTRUCTION OR DECOMMISSIONING CAN BE INITIATED WITHOUT THE WORK PLAN APPROVAL FROM THIS DEPARTMENT.

WORK PLAN APPROVAL  
 This Approval is Valid for 180 Days

Date 01-04-05 REHS Robert Hughes

Conditions  
 Please inform Health Inspector the initial phase schedule 48 hrs. before the starting date.

FINAL INSPECTION

Date REHS

PERMIT ISSUED  
 The well log must be submitted to this Department prior to issuance of the final approval

Date REHS

OWNER / DRILLER INFORMATION	Well Owner	BOEING REALTY CORPORATION
	Address	3855 LAKEWOOD BLVD. BLDG 1A MCD 001-0097
	City / Zip Code	LONG BEACH, CA 90846
	Telephone	818.586.6015
	Well Driller	WDC EXORATION & WELLS
	Address	5566 ARROW HIGHWAY
	City / Zip Code	MONTCLAIR, CA 91763
	C-57 License No.	283326
Telephone	800.974.2769	

WELL DECOMMISSIONING	Well Depth log / records	
	Method of Well Assessment	
	Depth and Number of Perforations	
	Type of Perforator Size of Perforations	
	Type and Amount of Sealant	
	Method of Upper Seal Pressure Application	

I hereby agree to comply in every respect with all the regulations of the County Environmental Health Division and with all ordinances and laws of the County of Los Angeles and the State of California pertaining to well construction, reconstruction and decommissioning. Upon completion of the well and within thirty days thereafter, I will furnish the Environmental Health office with a completion log of the well giving date drilled, depth of the well, perforations in the casing, and any other data deemed necessary by County Environmental Health Division.

*Paul R. Sones*  
 Applicant's Signature

Applicant Name: (PRINT) PAUL R. SONES  
 Telephone: 619.280.9210

FAX 619.280.9415

# WELL CONSTRUCTION LOCATION DETAILS

SITE ADDRESS or APN

1451 KNOX STREET

CITY

LOS ANGELES (TORRANCE)

ZIP CODE

90501

Township

Range

Section

Map Book Page/ Grid

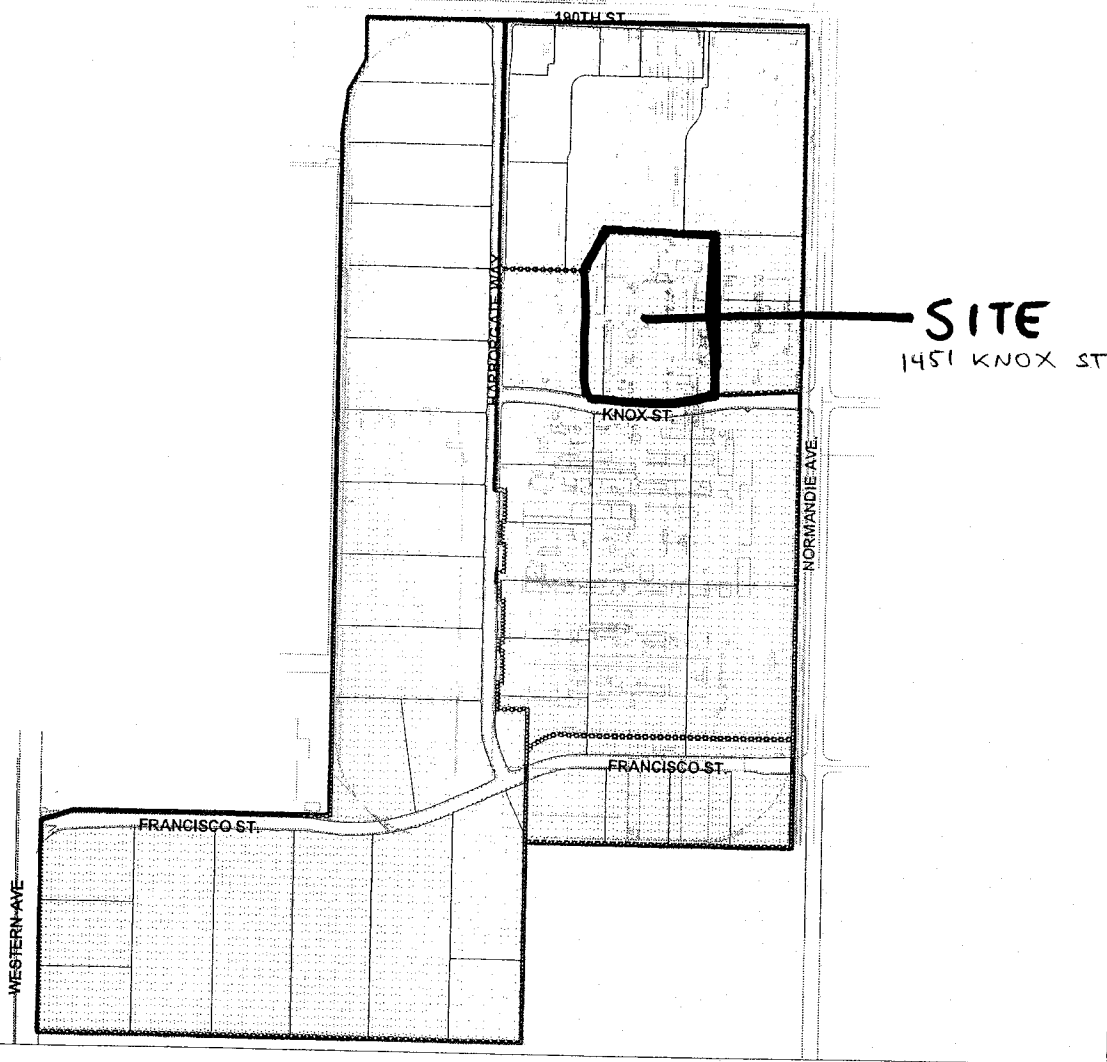
THOMAS  
BROS

P763 : J3

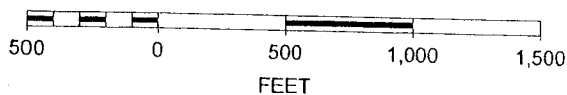
## WELL LOCATION

Provide a scaled drawing (1" = 50') indicating property lines, sewers, private sewage disposal systems within 200 feet of the well site along with labels and dimensions. Attach all documents that confirm that the well is located the required distance from the septic systems.

↑  
NORTH

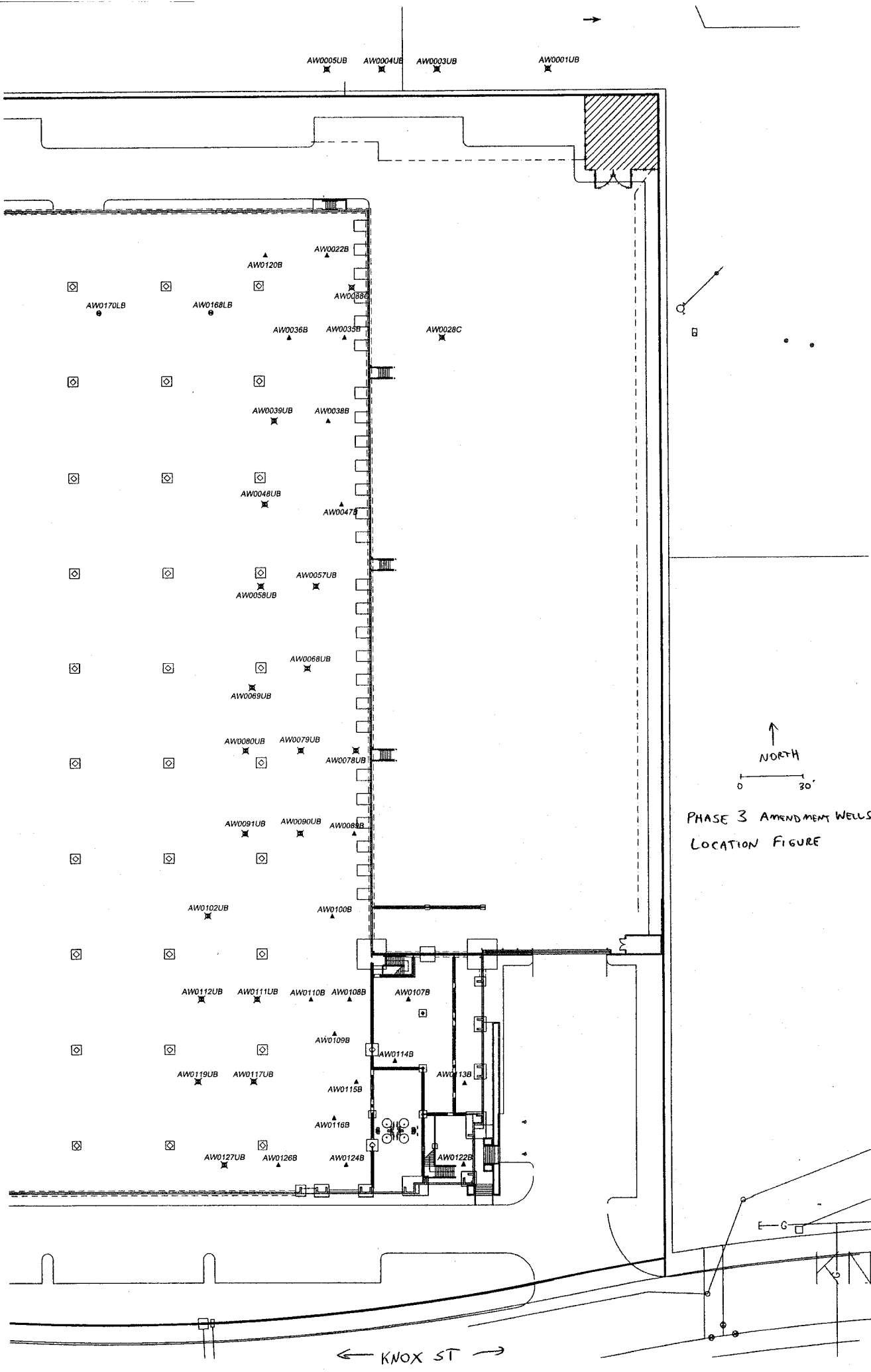


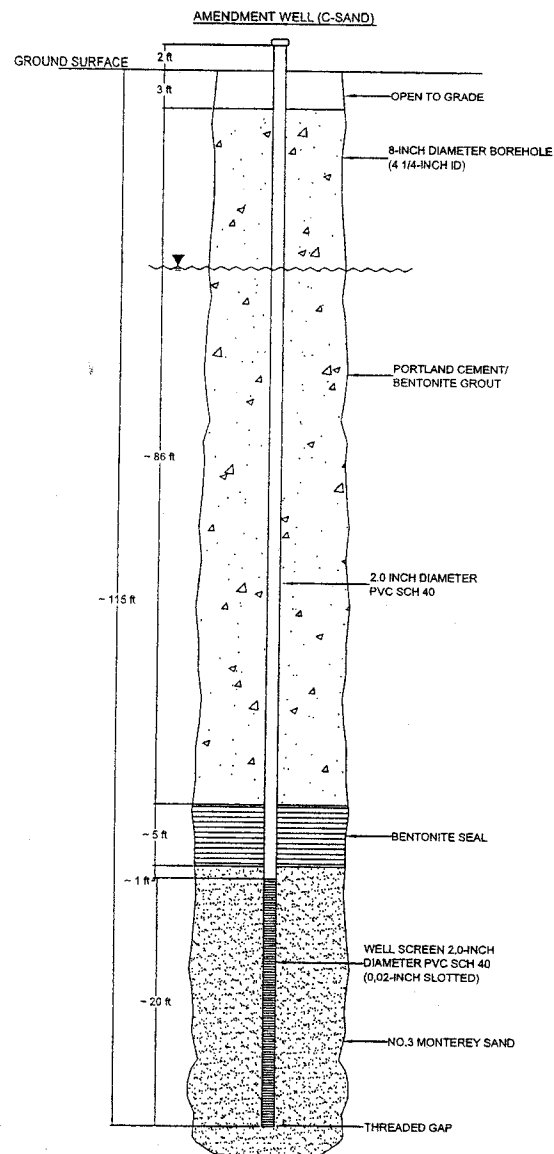
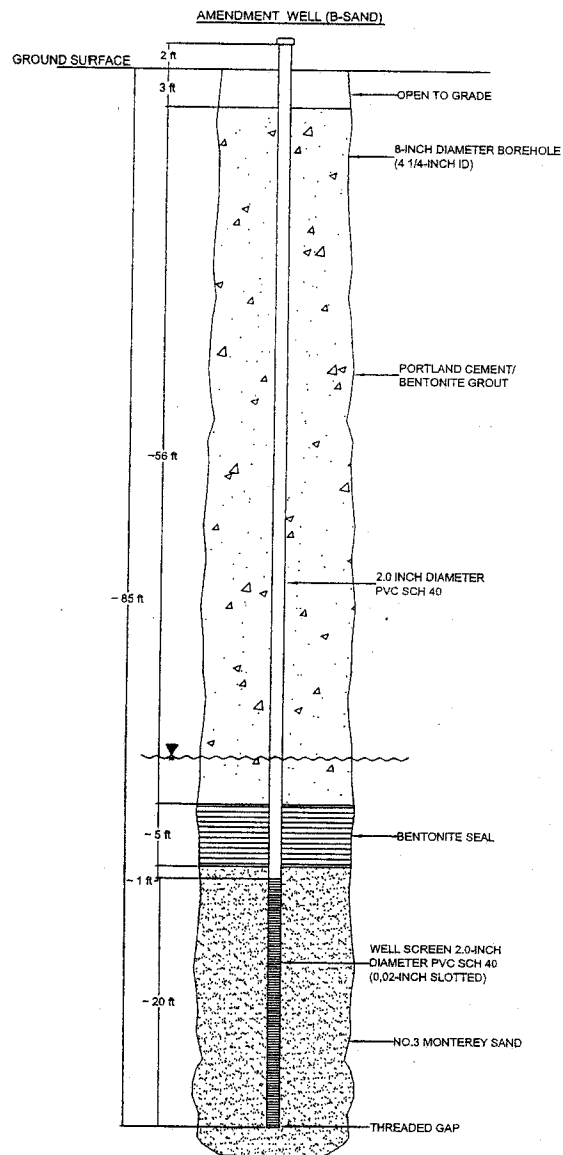
SCALE 1 : 9,000



N







DRAFT

FIGURE 4

HALEY &  
ALDRICH

BOEING REALTY CORPORATION  
FORMER C-6 FACILITY (BUILDING 1/36 AREA)  
LOS ANGELES, CALIFORNIA

TYPICAL CONSTRUCTION DETAIL  
AMENDMENT WELLS

UNDERGROUND  
ENGINEERING &  
ENVIRONMENTAL  
SOLUTIONS

SCALE: NOT TO SCALE

AUGUST 2004

(804) 28028501

**SERVICE APPLICATION REQUEST AND FEE COLLECTION  
COUNTY OF LOS ANGELES – DEPARTMENT OF HEALTH SERVICES'  
PUBLIC HEALTH PROGRAMS – ENVIRONMENTAL HEALTH**

**SERVICE REQUEST APPLICATION**

**INSTRUCTIONS**

1. Check the TYPE OF SERVICE requested and attach the required non-refundable fee to the application. Make the money order or check payable to LOS ANGELES COUNTY TREASURER, DO NOT SEND CASH. This application is nontransferable.

**FEE REQUIRED\***

**TYPE OF SERVICE**

- \_\_\_\_\_ ☐ MONITORING WELL CONSTRUCTION/DECOMMISSIONING Complete and attach a Non-Production Well -Well Permit Application
- 44 x \$288 ea = \$12,672 ☒ WELL CONSTRUCTION, RENOVATION OR DECOMMISSIONING PERMIT Complete and attach a Production Well-Well Permit Application
- \_\_\_\_\_ ☐ PRIVATE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT
- \_\_\_\_\_ ☐ PRIVATE SEWAGE DISPOSAL RENOVATION / EXPANSION
- \_\_\_\_\_ ☐ INSPECTION OF MOUNTAIN CABIN SITE as required by the United States Forest Service
- \_\_\_\_\_ ☐ SEPTIC TANK REPLACEMENT
- \_\_\_\_\_ ☐ INSPECTION OF EXISTING PRIVATE SEWAGE SYSTEM
- \_\_\_\_\_ ☐ WATER SUPPLY TEST AND CERTIFICATION as required by U.S. Department of Agriculture

\* Refer to Schedule of Fees for the current fiscal year. Field personnel cannot accept fees.

2. Check with the Contact Office stamped below for requirements or information
3. Deliver the completed application, money order or check with the forms indicated to:

**County of Los Angeles**

**Mountain and Rural Program / Water, Sewage, & Subdivision Program**

**5050 Commerce Drive, Baldwin Park, CA 91706**

**(626) 430-5380 FAX (626) 813-3016**

4. Please contact office noted above or office indicated below, after you have received your receipt, to request an inspection.

ASSESSOR'S ID 7351-037-022

1451 KNOX STREET LOS ANGELES (TORRANCE) 90501 THOMAS BROS. P763 J-3

Service/ Job Location Address	City	Zip	Assessor Map Book	Page	Parcel #	Date
BOEING REALTY CORPORATION / HALEY & ALDRICH	SAN DIEGO	CA 92108	9040 FRIARS ROAD, SUITE 220		619,280,9210	
Owner / Applicant Name	Address/Zip		Phone No.			
WDC EXPLORATION & WELLS	5566 ARROW HWY MONTECLAIR, CA 91763		800,974,2769			
Contractor's Name	Address/Zip		Phone No.			

Co. Engineer Plan Check No. \_\_\_\_\_ Tract no. \_\_\_\_\_ Lot No. \_\_\_\_\_ No. Bedrooms \_\_\_\_\_ Fixture Unit Count \_\_\_\_\_  
(Complete the line above for Private Sewage Disposal System Construction or Renovation Application)

CONTACT OFFICE

DEPARTMENT STAMP



## **Attachment B**

### **Pre-field Activities Checklist, Standard Work Practices, and Incident Reporting Procedures**



Lot 8 Phase III Amendment Well Installation Program  
Former Boeing C-6 Site  
Page 1

### Pre-Field Activities Checklist – Lot 8, Former Boeing C-6 Site

This pre-field activities check list has been prepared to facilitate compliance with work plans, protocols, permits, and procedures during the Phase III Amendment Well (AW) installation program to be performed on Lot 8 at the former Boeing C-6 Site.

#### Contact Information:

##### **Consultant/Contractor (Person & Phone #)**

Project Manager	<u>Scott Zachary (619) 993-1791 cell</u>
Project Hydrogeologist	<u>Paul Sones (619) 871-9024 cell</u>
Chief Field Engineer/Technician	<u>Travis Hammond (619) 7987-1767 cell</u>
Health & Safety Officer:	<u>Travis Hammond (619) 7987-1767 cell</u> <u>or Beth Breitenbach (619) 838-1078 cell</u>

Other \_\_\_\_\_

##### **Boeing**

Project Manager	<u>Brian Mossman/Stephanie Sibbett-</u> <u>Brutocao (310) 346-8322</u>
Technical Specialist	<u>John Scott (818) 586-4533</u>
Facility Contact	_____
Permits Contact	_____
Waste Disposal Specialist	<u>Marcia Taleff (562) 496-6524</u>
Legal:	_____
Other:	_____

##### **Subcontractors (as applicable)**

No. 1	<u>Water Development Corp. - Drilling</u>
No. 2	<u>Spectrum Geophysics</u>

#### Work Plans

- ☐ Work Plan prepared for work? Yes
- ☐ Name of Work Plan & Date Building 1/36 Area (Parcel C) Source-Area Groundwater In Situ Reactive Zone Pilot Study Work Plan Prepared by Arcadis G&M, Inc. for Boeing C-6 Site, 10 May 2002.
- ☐ Was Work Plan Submitted to a regulatory Agency for approval? Yes
- ☐ Was approval received? Date? Yes on 29 October 2002
- ☐ Is Work Plan latest version? Yes
- ☐ Type of Work to be performed Installation of 42 amendment injection wells, well development and testing



Lot 8 Phase III Amendment Well Installation Program

Former Boeing C-6 Site

Page 2

**Technical/Site-Specific**

- ☐ Have work locations been marked? YES
- ☐ Are there any obstacles to performing work? Yes, water ponding, uneven terrain, and soil piles on Lot 8 limit access to all AW locations
- ☐ If yes-method to clear obstacles? Coordinate access issues with Mille-Severson (Lot 8 General Contractor).
- ☐ **DO NOT USE ONSITE FIRE HYDRANTS IN THE HARBOR GATEWAY DEVELOPMENT AREA FOR WATER SUPPLY - THEY ARE CONNECTED TO FIRE-FIGHTING PUMPS AND EQUIPPED WITH ALARMS.**

**Health & Safety**

- ☐ Health & Safety Plan Submitted to Agency? Yes
- ☐ Health & Safety Plan reviewed by Field Team? Yes
- ☐ Proper PPE on Site? Yes
- ☐ Extra PPE for Visitors? NA
- ☐ Have OSHA Certificates and currency been confirmed for workers? To be done
- ☐ Any Excavations? No  
If Yes-have geotechnical calculations/considerations been completed? By whom? NA Third Party & Registered? NA
- ☐ Health & Safety Officer Travis Hammond or Beth Breitenbach
- ☐ Perform subcontractor equipment safety audit prior to work start (guards, safety switches, General equipment condition) To Be Done
- ☐ Pre-Field Tailgate Meetings: To Be Done
- ☐ Worker Safety: To Be Done
- ☐ Equipment Safety: To Be Done
- ☐ Vehicular Safety: To Be Done
- ☐ Daily Tailgate/Safety Briefings: To Be Done
- ☐ Safety Zones established and how maintained? Exclusion zone will be established around drill rigs

**Utilities**

- ☐ Have utilities been researched? Yes
- ☐ Are utility plans available? Yes
- ☐ Have utility plans been reviewed for work conflicts? No  
If yes, what plans \_\_\_\_\_
- ☐ Has site been field-checked for utilities? Yes
- ☐ Has DigSafe/DigAlert been notified? Confirmation #: YES



Lot 8 Phase III Amendment Well Installation Program  
Former Boeing C-6 Site

Page 3

- ☐ Has independent utility locator service been completed? Not planned for Lot 8 AWs
- ☐ Any overhead utility present that may interfere with work? None
- ☐ If yes, can work be moved? No
- ☐ Will hand-augering be conducted? Hand augering will not be performed at locations - no known buried utilities in Building Pad area, sewer lines being installed during drilling and will be exposed or marked during drilling.
- ☐ Is any utility lock-out/tag-out needed? No
- ☐ Other

#### Legal

- ☐ Confirm with Boeing Project Manager that legal issues are in order to perform field work. YES

#### Access Agreements

- ☐ Confirm with Boeing Project Manager if access agreements are needed. None required
- ☐ Are special pre-work notifications required by the access agreements? NA
- ☐ Who is the on-Site contact/telephone # for work to be performed? Mille-Severson Superintendent.
- ☐ Are copies of access agreements needed on site? NA
- ☐ Do special work conditions need to be maintained per the access agreement? No
- ☐ Are there special work hours per the access agreement? No
- ☐ Are traffic plans or traffic control necessary for work? None Required
- ☐ Other

#### Notifications

- ☐ Has Boeing Project Manager been notified of the work start date/time? Yes
- ☐ Has Boeing Technical Specialist been notified of the work start date/time? Yes
- ☐ Has Boeing Permit Specialist been notified of the work start date/time? NA
- ☐ Has Boeing Waste Disposal Specialist been notified of the work start date/time? Yes
- ☐ Is Regulatory Agency (ies) notification Required? No
  - ☐ Lead Agency LARWQCB
  - ☐ Support Agency \_\_\_\_\_
  - ☐ Local Agency L.A. Co. Dept. of Health Services
  - ☐ Other: \_\_\_\_\_
- ☐ If yes-what advance notice is required? NA
- ☐ Have they been notified? No When NA How NA
- ☐ Has laboratory been notified of incoming samples? None Required



Lot 8 Phase III Amendment Well Installation Program

Former Boeing C-6 Site

Page 4

**Permits/Regulatory Agencies/Licenses**

- ☐ Lead Regulatory Agency/Contact: LARWQCB, John Geroch (213) 576-6737
- ☐ Additional Regulatory Agencies:
- ☐ Air Quality Agency
- ☐ County Health Department Yes, L.A. Co. Dept. of Health Services,  
H. Robert Hughes, (310) 680-0978
- ☐ City Health Department
- ☐ City Building Department
- ☐ Are permits required for work?
- ☐ Drilling Permit Yes
- ☐ WDR/Waste Discharge Permit No
- ☐ Excavation Permit No
- ☐ Rule 1166 Mitigation Plan/Permit No
- ☐ Grading Permit No
- ☐ City Business License No
- ☐ Other
- ☐ Has Boeing Permit Specialist reviewed and approved the permits for performing the work? No
- ☐ Are pre-work notifications required for permits? No
- ☐ If yes, which permits and how much advance notice NA
- ☐ Are there any conditions in the permit that could stop work? No
- ☐ If yes, what are the conditions? \_\_\_\_\_
- ☐ Do mitigation measures exist if these conditions occur? \_\_\_\_\_
- ☐ What licenses are required to do work? Well Drillers Lic.
- ☐ Have contractor licenses been verified Yes

**Waste Management**

- ☐ Type(s) of waste to be generated - Soil cuttings, decon fluids (water)
- ☐ Anticipated Volume to be generated - Soil- ~ 60 c.y., decon/purge water - ~ 10,000-gallons
- ☐ How will each type of waste be stored?
- Water - Temporary Baker holding tank
- Soil - roll-off bins
- PPE - regular trash
- Other
- ☐ Has Boeing Waste Specialist been notified? Yes
- ☐ Have proper containers been coordinated through Boeing Waste Specialist? YES
- ☐ If not-why? \_\_\_\_\_



Lot 8 Phase III Amendment Well Installation Program

Former Boeing C-6 Site

Page 5

- ☐ Have proper waste container labels and labeling procedures been obtained from the Boeing Waste Specialist? Yes
- ☐ How will waste be profiled? Profiles exist with waste disposal contractor due to previous investigations at Site
- ☐ Any special waste handling/disposal needs? No

Portal/EDMS

- ☐ Have Sample/Object Numbers/Names been obtained from CH2MHill? NA
- ☐ Other

Schedule

- ☐ Scheduled start date of field work 2/3/05 - Drilling/Well Installation
- ☐ Expected duration of field work 20 days drilling/well installation and 7 days development
- ☐ Contingency plan if work goes longer Coordinate with BRC

Financial

- ☐ Has Boeing approved work order for work? Yes
- ☐ Is there a potential for scope/cost changes? Yes
- ☐ If yes-is change-order process established with Boeing Project Manager? Yes

Person Filling out Checklist:

Paul R. Sones on 1/28/05



HALEY & ALDRICH, INC.

## HALEY & ALDRICH STANDARD WORK PRACTICES ON FORMER BOEING C-6 SITE

- **HEALTH AND SAFETY IS OUR NUMBER ONE PRIORITY**
- **SAFETY AND REGULATORY COMPLIANCE IS OUR TOP PRIORITY AND I MUST TAKE THE NECESSARY STEPS TO PROVIDE THIS SERVICE**
- **I AM RESPONSIBLE AND I HAVE THE AUTHORITY TO STOP WORK AT ANY TIME IF SAFETY AND REGULATORY REQUIREMENTS ARE NOT BEING MET**
- **REGULATORY COMPLIANCE IS MANDATORY** – No work will begin and/or all work will immediately stop unless **BOTH** of the following are checked off:

- ☐ Yes, I am in compliance with all regulatory health and safety requirements.
- ☐ Yes, I am in compliance with all facility health and safety requirements.

- **BEFORE STARTING WORK PERFORM THE FOLLOWING:**

**IF YOU ARE UNSURE OF SAFETY PRACTICES FOR THE PARTICULAR WORK INVOLVED – GET CLARIFICATION PRIOR TO STARTING WORK**

- ☐ Complete and Review Site Specific Health and Safety Plan.
- ☐ Obtain MSDS Sheets for chemicals to be brought on site.
- ☐ Review SHEA Flysheet RF034.
- ☐ Verify personnel are listed on Service Company Access Request (SCAR)
- ☐ Complete Pre-field Checklist.
- ☐ Complete and submit Project Impact Form.
- ☐ Complete SHEA Contractors Orientation Checklist.
- ☐ Notify Underground Service Alert and Boeing Utilities before performing any invasive work.
- ☐ Obtain necessary monitoring equipment for the conditions anticipated and verify that it is properly functioning.
- ☐ Perform Health and Safety "Tail Gate Meeting" and fill out form.
- ☐ Calibrate monitoring equipment and log calibration in Field notes.
- ☐ Review scope of work documents, permits, and other related items.
- ☐ Obtain correct Personal Protective Equipment (PPE) for the work to be performed and the chemicals anticipated to be present.
- ☐ If SCAQMD Rule 1166 monitoring is required contact Bill Pearce at (562) 593-3903 for approval prior to proceeding with any work (May be different contact of Boeing Facilities other than Canoga Park).

- **When utilizing subcontractors:**

- ☐ Review subcontractors Health and Safety training records.
- ☐ Review Health and Safety plan with the subcontractor.
- ☐ Verify that subcontractors have THEIR Health and Safety Plan
- ☐ Review site "Incident Reporting Procedures".
- ☐ Discuss all likely hazards and known chemicals of potential concern.
- ☐ Discuss the scope of work, work area and site restrictions.
- ☐ Perform "Tail Gate Safety Meeting" with subcontractors.



HALEY & ALDRICH, INC.

## EMERGENCY AND INCIDENT REPORTING PROCEDURES

**EMERGENCY PHONE NUMBER ONSITE DIAL 911**

**OTHER PHONES DIAL (619) 280-9210 (H&A's San Diego office number)**

**SITE ADDRESS: 1451 Knox Street (Cross-street Harborage Way)  
Los Angeles (Torrance), CA**

### **EMERGENCY OR INCIDENT REPORTING:**

All incidents and regulatory inspections must be reported immediately

- **Emergency** definition: An uncontrolled situation, a major or life threatening injury, a fire, or any event that requires immediate assistance from the Fire Department
- **Incident** definition: Any event, condition, or action (including near misses) that affects the safety of personnel, does not follow rules and guidelines for work implementation and regulatory compliance onsite
- **Examples of Incidents:**
  - Spilled liquid in an uncontrolled environment
  - Working without correct/completed permit in place
  - Broken water pipeline

Respond to the incident and get it under control. Once the incident is under control the following **MUST BE COMPLETED:**

1. Contact the following **BOTH** by e-mail and telephone.

**When leaving messages and sending emails, include the following:**

**Date and Time:** The date and time the incident occurred

**Location:** Where the incident occurred, i.e.; Lot 8, Parcel C, 1451 Knox Street...

**Description:** Describe individuals involved, what happened and what it may affect

Name	Title	E-mail	Phone Number
Dennis Carlson	Boeing Project Manager	Dennis.Carlson@boeing.com	Cell: (818) 535-7438
Stephanie Sibbett-Brutocao	Boeing Project Manager	Stephanie.M.Sibbett-Brutocao@boeing.com	Cell: (310) 346-8322 Work: (562) 733-2228
Dennis Carlson	Boeing Health & Safety	Dennis.Carlson@boeing.com	Cell: (818) 535-7438
Marcia Taleff	Waste Disposal	marcia.l.taleff@boeing.com	Cell: (562) 496-6524 Pager: (562) 877-3338
Scott Zachary	H&A Project Manager	szachary@haleyaldrich.com	Cell: (619) 993-1791 Work: (619) 285-7103
Paul Sones	H&A Senior Hydrogeologist	psones@haleyaldrich.com	Cell: (619) 871-9024 Work: (619) 285-7102

3. After the incident is under control document in writing and with photographs the sequence of events, locations, date, time, conditions at the time of the incident, people involved and that responded to the incident, and the probable cause of the incident.

## **INCIDENT REPORTING PROCEDURES**

**Lot 8, Former C-6 Facility**

**Los Angeles, California**

**4 November 2004**

### **INTRODUCTION**

This technical memorandum presents incident reporting procedures for the Phase II Amendment Well (AW) installation program at Parcel A in Lot 8 of the former Boeing Facility C-6 Site in Los Angeles, California. The Phase II AW installation program consists of drilling and installing a total of 22 AWs (8 AWs in the B-Sand to 85 ft bgs and 14 AWs in the C-Sand to 115 ft bgs) using hollow stem auger (HSA) drill rigs. The incident reporting requirements differ depending on the severity of the incident and, for the purpose of reporting, incidents fall into two different categories, minor and major. A minor incident is defined as any spill, process upset, or non-life threatening incident that is completely controlled within the confines of the immediate area of the well installation locations and Site boundaries. A major incident is defined as an uncontrollable situation that results in an injury that is major or life threatening; fire; or other major issues that require immediate assistance from local emergency services.

### **MINOR INCIDENT REPORTING PROCEDURES**

A minor incident is defined as any spill, process upset, or non-life threatening incident that is completely controlled within the confines of the well installation locations and Site boundaries.

When a minor incident occurs, the first priority is to safely assess the situation, shut down the drill rig and other equipment, if it is related to the incident, and seek medical assistance if required. The followings steps will be taken after a minor incident is under control:

1. Record the sequence of events, including probable cause, people who responded to the incident, the extents of the incident, and relevant dates and times.

Corrective action will be taken to prevent/repair the cause of the incident. Any spills will be cleaned up, and the activity resumed if approved by Boeing. Robert Scott, Stephanie Sibbett-Brutocao and Dennis Carlson at Boeing will be notified of any spills prior to resumption of well installation activities.

2. After the incident is under control, contact the following Boeing and Haley & Aldrich personnel and inform them of the incident and steps taken to control the situation.

<b>Name</b>	<b>E-mail Address</b>	<b>Phone Number</b>
Dennis Carlson	Dennis.Carlson@Boeing.com	(818) 535-7438 (cell)
Stephanie Sibbett-Brutocao	Stephanie.M.Sibbett-Brutocao@Boeing.com	(310) 346-8322 (cell) (562) 733-2229 (work)
Dennis Carlson	Dennis.Carlson@Boeing.com	(818) 535-7438 (cell)
Paul Sones	Psones@HaleyAldrich.com	(619) 285-7102 (cell) (619) 285-7102 (work)
Scott Zachary	Szachary@HaleyAldrich.com	(619) 285-7103 (cell) (619) 285-7103 (work)





## **INCIDENT REPORTING PROCEDURES**

**Lot 8, Former C-6 Facility**

**Los Angeles, California**

**4 November 2004**

When leaving messages and sending e-mails, state the following information:

- Date and Time: The date and time the incident occurred.
  - Location: Where the incident occurred.
  - Description: A brief description of the incident and what risks it poses to people, property, and the environment.
3. An e-mail containing the following information will be sent to Boeing for review and then forwarded to the Boeing Realty Corporation (Boeing), for review.
- Background and General Facility Description: Briefly describe what the system does and why.
  - Failure Analysis: Describe the root-cause of the incident. Describe the chain of events that led to the incident.
  - Corrective Actions Taken: Describe what corrective actions have been taken as of the date of the report.
  - Corrective Action in Process: Describe what additional measures are in process or are being contemplated to minimize the possibility of recurrence.
  - Figures: Include figures and drawings, as necessary, to convey information.
  - Appendices: Append relevant information as necessary (i.e., copies of alarm logs, data, etc.).

Additional follow-up actions or responses will be performed at the request of Boeing.

## **MAJOR INCIDENT AND EMERGENCY REPORTING PROCEDURES**

A major incident is defined as an uncontrollable situation that results in an injury that is major or life threatening; fire; or other major issues that require immediate assistance from local emergency services.

When a major incident or emergency occurs, the immediate priorities are to safely get it under control, shut down the equipment (if applicable), and contact emergency services (if applicable). The followings steps will be taken after a major incident or emergency is under control:

1. Record the sequence of events, including probable cause, people who responded to the incident, the extents of the incident, and relevant dates and times.

Corrective action will be taken to prevent/repair the cause of the incident. Any spills will be cleaned up, and the activity resumed if approved by Boeing. Robert Scott, Stephanie Sibbett-Brutocao and Dennis Carlson at Boeing will be notified of any spills prior to resumption of the activity.

2. After the incident is under control, contact the following Boeing and Haley & Aldrich personnel and inform them of the incident and steps taken to control the situation.



## INCIDENT REPORTING PROCEDURES

Lot 8, Former C-6 Facility

Los Angeles, California

4 November 2004

Name	E-mail Address	Phone Number
Dennis Carlson	Dennis.Carlson@Boeing.com	(818) 535-7438 (cell)
Stephanie Sibbett-Brutocao	Stephanie.M.Sibbett-Brutocao@Boeing.com	(310) 346-8322 (cell) (562) 733-2229 (work)
Dennis Carlson	Dennis.Carlson@Boeing.com	(818) 535-7438 (cell)
Paul Sones	Psones@HaleyAldrich.com	(619) 285-7102 (cell) (619) 285-7102 (work)
Scott Zachary	Szachary@HaleyAldrich.com	(619) 285-7103 (cell) (619) 285-7103 (work)

When leaving messages and sending e-mails, state the following information:

- Date and Time: The date and time the incident occurred.
- Location: Where the incident occurred.
- Description: A brief description of the incident and what risks it poses to people, property, and the environment.

4. Prepare an incident report containing the following information:

- Background and General Facility Description: Briefly describe what the system does and why.
- System Operation Description: Describe how the system operates under normal conditions.
- Failure Analysis: Describe the root-cause of the incident. Describe the chain of events that led to the incident.
- Corrective Actions Taken: Describe what corrective actions have been taken as of the date of the report.
- Corrective Action in Process: Describe what additional measures are in process or are being contemplated to minimize the possibility of recurrence.
- Figures: Include figures and drawings, as necessary, to convey information.
- Appendices: Append relevant information as necessary (i.e., copies of alarm logs, data, etc.).

5. The incident report will be submitted Boeing for review. Well installation activities will not be resumed until approval to operate has been granted by Boeing.

.G:\Projects\ENVIRONMENTAL\28882\_C6ProjectMngmt\503 Phase II AW install\Phase II AWs\H&A Incident Reporting Prodedures\_05 03 05.doc

**Attachment C**

**Daily Field Reports for Well Installation and Well Development**

HALEY &  
ALDRICH

## DAILY FIELD LOG

Page 1 of 2

PROJECT	BOEING C-6	H&A FILE NO.	28892-
LOCATION	LOT 8	PROJECT MGR	ZACHARY
CLIENT	BOEING	FIELD REP	SQUIRE
GEN. CONTRACTOR	MILLIE-S&V	DATE	2-3-05
SUBCONTRACTOR	WDC/ICS		

## General Information:

1. Arrival Time at Site	0600
2. Departure Time From Site	1700
3. Weather	SUN 70°F
4. Purpose of Visit	OVERSIGHT
5. H&S Meeting Time	0730

## Personnel on Site:

JS w/ ICS & WDC  
PAUL JONES & D. CARLSON

## Construction Activities Observed:

Excavating or Existing Open Trenches?	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes. Include Trench Inspection Form(s)
Installation of Remediation Infrastructure?	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes. Include Materials and Construction Inspection Form(s)
SVE Pipe Pressure Testing?	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes. Include PVC Pipe Pressure Test Form(s)
Bioamendment Pipe Pressure Testing?	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes. Include HDPE Pipe Pressure Test Form(s)
Survey Contractors on Site?	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes. Include Survey Form
Contractor Requested Change Order?	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes. Field C.O. Form(s) Submitted.
Near Misses (Health & Safety)	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes. Incident Reporting Procedures Implemented

## Description of Activities:

KICK-OFF H&amp;S MEETING - 0730 to 0830

- H&amp;A - JS &amp; PS LEAD MEETING

- BOEING - DC

- WDC

- AMERICAN PLUMBERS

- ICS - JH

- MILLIE - DH

0830 INSTALL VMW-2, VMW-4

1100 COMPLETE -

INSTALL VMW-3, VMW-5

tribution:

Haley &amp; Aldrich, Inc.

HALEY &  
ALDRICH

## DAILY FIELD LOG

Page 2 of 2

PROJECT

LOCATION

CLIENT

GEN. CONTRACTOR

SUBCONTRACTOR

H&amp;A FILE NO.

PROJECT MGR.

FIELD REP

DATE

## Description of Activities:

- ICS MOB TO SITE - BRINGING STORAGE TRAILER, OFFICE TRAILER, MATERIALS.

1130 - BAKER TANK ONSITE

1200 - VMW-5 AT DEPTH - SET WELL

VMW-3 AT DEPTH - WAIT FOR MATERIALS

DOWNTIME ~ 30 MIN

LUNCH - 30 MIN

1300 FINISH VMW-5 - MATERIALS ARRIVE.

1345 SET UP ON VMW-1 -

FINISH VMW-3

1400 RIG 1 CREW CLEAN-UP

- AMERICAN PLUMBERS WORKING (BACKFILL/COMPACT) IN AREA OF VMW-6.

1445 - AMERICAN OFFSITE - WILL ATTEMPT TO INSTALL VMW-6

1600 - VMW-1 COMPLETE

1645 - VMW-6 COMPLETE

1700 - OFFSITE

## Distribution:

Jeremy Squire 0600-1700 = 11.0

Paul Sones 0630-1400 = 9.5

PKS 2/7/05  
Haley & Aldrich, Inc.

## DAILY FIELD REPORT

Page 1 of 2

Project	PHASE III AMENDMENT WELLS	Report No.	1
Location	CG	Date	F 2/4/05
Client	BUEING	Page	1 of 2
Contractor	WDC EXPLORATION & WELLS	File No.	28882-503
Weather	CLEAR & CALM	Temperature	60's

700 ON-SITE: HEALTH &amp; SAFETY MEETING

☐ TRASH BIN

MEET W/ DENNIS CARLSON JOHN HANSEN, DRILLERS TO DISCUSS ACCESS TO LOCATIONS &amp; TRENCHING SCHEDULE

800 CREW 1 JORGE, CME-75 AT AWO0170LB ELEV 55.53  
 2 NACHO, CME-75, AWO088C ELEV 55.52

815 CALL PRUDENTIAL WEL CONSTRUCTION DETAILS

10:30 EQUIPCO - CALLER 949-294-2419 MATT.  
 - DROPPED OFF PID

1015-11 WDC WAITING FOR WELL SUPPLIES FROM CONTINENTAL

☐ WDC - BRING PLYWOOD SHEETS

11:45 PAUL - DOWN BETWEEN HOLES - NO  
 - ARMED W/ 2 WELLS - DRILL DEEP FIRST - YES  
 - AWO0170LB @ 70' - RE-DRILL

DENNIS - BINS BY WATER PARK. SEWER CONTRACTOR WILL MOVE BUCKETS

1215 JORGE'S PELLET BRIDGED @ 76'. THE PELLET ARE PULLING THE WELL UP. USED  
 DRILL ROD IN CENTER OF HSA TO HOLD WELL DOWN  
 PULLING AUGERS.

1250 JEREMY CALLED - ONYX WILL PICK UP SOIL BIN (SP-78) CALL SCOTT LATTIMORE  
 WHEN THEY ARRIVE.

1300 AWO0170LB - BRODIE OPEN TO 70' - REDO  
 PAUL CALLED - NO DOWN, DRILL DEEP WELL FIRST, REDO 170LB

1345 JORGE PULLED WELL & RE-DRILLING AWO0170LB. STEAM CLEANED SCREEN.  
 TSH INSPECTED CASING. - OK FOR RE-USE

14:20 AWO0170LB @ TD - RE-SET WELL

1530 AWO0170LB PLUG DID NOT COME OUT. PULL WELL & POP PLUG.  
 STEAM CLEAN SCREEN

Field Representative(s)	Time on site	Report/Travel/Other	Total hours
_____	_____	_____	_____
_____	_____	_____	_____

Distribution:

Haley &amp; Aldrich, Inc.

## DAILY FIELD REPORT

Page 2 of 2

Project	PHASE 3 AWS	Report No.	1
Location	C6	Date	F2/4/05
Client	BOEING	Page	2 of 2
Contractor	WDC	File No.	28882-503
Weather	CLEAR & BREEZY	Temperature	70°

16:00 RE-RE SETTING AWO170LB

② NACHO DRILLING TO 65' ON AWO022C

16:55 AFTER SURGING ① AWO170LB HAD SAND INSIDE AUGERS UP TO 80' bgs  
PULLED 5' AUGERS & SAND @ 72', TRIED TO WASH SAND OUT  
WITH WATER & TROMIE PIPE17:05 ① WHILE PULLING AUGERS, THE WELL STARTED TO PULL OUT.  
☒ INSPECT AUGERS FOR BENTONITE PLUG17:30 ① AWO170LB LEAD AUGER HAD A 4' PLUG OF MUD AND SAND  
IN IT

18:00 CALL PNL W/ UPDATE

18:15 OFFSITE, UNLOAD

~~20~~ 20 EMAILS HB EDMS

21-22 C6 PH 3 EMAILS

## Field Representative(s)

Travis Hammond

## Time on site

7-1815 = 11.25

## Report/Travel/Other

0

## Total hours

11.25

## Distribution:

JRS 2/7/05

Haley &amp; Aldrich, Inc.

## DAILY FIELD REPORT

Page 1 of

Project	PHASE 3 AWS	Report No.	(2)
Location	C6 LOT B	Date	SA 2/5/05
Client	BOEING	Page	1 of
Contractor	WDC EXPLORATION & WELLS	File No.	28882-502
Weather	CLOUDY & CALM	Temperature	60s

700 ONSITE WDC STAGING MATERIALS & FILLING WATER TRUCKS

800 HEALTH & SAFETY

805 (1) JORGE AWO170LB - PULLED ALL AUGERS & RE DRILL TO 104'

(2) IGNACIO AWO22C - AT 65', CONTINUE & SET WELL

TSH SPEKE W/ BOB NIX ABOUT SCHEDULE - 3 RIGS AVAILABLE NEXT FRI/SA

☐ PNL - MANPOWER? - TRAIN GLENN

930 (1) AWO170LB CHIPS BRIDGED, PUSHED TRAMIE PIPE LAST BRIDGE TO DEPTH OF SEAL & PLACE SEAL THROUGH TRAMIE

1100 (1)(2) SETUP TO GRAB 170LB & 22C RESPECTIVELY

1330 (2) NACHO START AWO120B TO 65'

1400 (1) JORGE START AWO113B TO 65'

1545 OFFSITE

1600 - TRAVEL

1800 UNLOAD

1870 DONE

## Field Representative(s)

Travis Hammond

## Time on site

7-1823/600 = 9


## Report/Travel/Other

2.30/600-1830 = 2.5

## Total hours

11.5

## Distribution:

 2/7/05  
 Haley & Aldrich, Inc.



## DAILY FIELD REPORT

Page 1 of 1

Project	PIMSE 3 AWS	Report No.	(3)
Location	C6	Date	M 2/7/05
Client	BOEING	Page	1 of
Contractor	WDC	File No.	28882-SU7
Weather	CLOUDY & BRISK	Temperature	50s

5-515 LOAD UP

515-730 TRAVEL

730 HEALTH &amp; SAFETY MEETING

740 (1) JOLGE AWO113B (71-101) @ 65'

(2) NACHS AWO120B (71.5-101.5) @ 65'

CALL SCOTT LATTIMORE - 2 NEW BINS, 1 FOR MATH

840 (2) AT 100' ~~WDC~~ WAITING FOR 10' SCREENS

930 SCREENS ON SITE, CREW 1 &amp; 2 SETTING WELLS

65' 16253 Holiday 1 AM EXPRESS

1130 (1) JOLGE FINISHED AWO113B MOVING TO AWO022B

1320 BUB NIX CALLED - 3 RIGS AVAILABLE TUESDAY

- 3 PM / 4 SAT

1325 CALL PAUL - 3 RIGS IS OK IF I CAN HANDLE IT

1330 CALL GLENN - BRING EXTRA WATER LEVEL INDICATOR

1335 CALL BOB BACK - OK FOR 3 RIGS

TV 24.03

v

(1) JOLGE 228, 106B

(1) J 107B

(2) NACHS 106LB, 114B

(2) N 124B

(3) MICHEL 122B

SURVEYORS RETAKE: 118 UB (EXIST) 116B

9V BATTERY

1400 STURGEON & SONS DELIVERED 20YD<sup>3</sup> B.M. - LABELED SP080

1800 FINISHED GRADING - CLEANING UP

1830 OFFSITE

Field Representative(s)

Travis Hammond

Time on site

7:30 - 1830 = 11


Report/Travel/Other

5-7:30 = 2.5

Total hours

13.5

Distribution:

 2/8/05  
 Haley & Aldrich, Inc.

## DAILY FIELD REPORT

Page 1 of 1

Project	PHASE 3 AMENDMENT WELLS	Report No.	(4)
Location	CG 1451 KNOX ST LOS ANGELES CA	Date	TU 2/8/05
Client	BOEING	Page	1 of 1
Contractor	WDC	File No.	28882-503
Weather	CLOUDY & COOL	Temperature	50°

645 LOAD UP

700 ON SITE

715 HEALTH &amp; SAFETY MEETING

(1) JORGE 122B START DRILLING

(2) NACHO 106B

(3) MIGUEL 114B

TJH GAUGING WELLS &amp; TAKING NOTES

840 JORDY ON SITE W/ ONYX FOR BIN REMOVAL

850 ONYX DOES NOT HAVE NON-HAZ MANIFEST. DROPPED EMPTY BIN BUT DID NOT REMOVE FULL ONE

W (1) #FB 124B	N (1) 126B	F (1) 127B	SA (1)
(2) #FB 107B	(2) #FB 107B	(2) 116B	(2)
(3) 119B	(3) 119B	(3) 119B	(3)
			(4)

945 SCOTT LATTIMORE CALLED. CALL WHEN ONYX IS ON SITE W/ MANIFEST

1050 STRECKEN & SONS ON SITE W/ TRUCK FOR BINS. TJH CALLED SCOTT LATTIMORE.  
ONYX WILL BRING MANIFEST.  
PRIORITY.

108B, 107B, 115B, 114B, 117B, 124B, 106B

1140 WDC LUNCH (1) FINISHED 122B, START 124B (2) FINISH 106B, START 119UB (3) RE-DO 114B

1145 SCOTT L. ON SITE - WAITING FOR ONYX

1215 STRECKEN &amp; SONS TOOK BINS. ONYX BROUGHT MANIFEST, SCOTT LATTIMORE SIGNED

1245 TAIT ON SITE - REQUESTED THAT THEY RE-STAKE 116B, 117B, 118B

[X] PARCEL A WELLS - INSPECT FOR DAMAGE

16:00 (3) FINISHED GRADING 114B (1) &amp; (2) SET WELL &amp; CHIPS ON 124B &amp; 119UB

1615 TOP OFF GRUNT

1645 PARCEL A WELL INSPECTION

[X] AWDOSSC IS DAMAGED - PIPE BROKEN &amp; TAPED UP [X] NOTIFY PAUL

1700 WDC OFF SITE

1715 TAIT OFF SITE. UNLOAD

1730 DONE

1930-2015 HB EDMJ EMAIL

## Field Representative(s)

Travis Hammond

## Time on site

7-1730 = 10.5

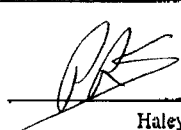
## Report/Travel/Other

6:45-7 + 17:30-20:15 = 3

## Total hours

13.5

## Distribution:

 2/9/05  
Haley & Aldrich, Inc.

## DAILY FIELD REPORT

Page 1 of 2

Project	PHASE 3 AUIS	Report No.	⑤
Location	CG	Date	W 2/19/05
Client	BOEING	Page	1 of
Contractor	WDC	File No.	20082-50
Weather	CLEAR & CALM	Temperature	CO'S

645 LOAD UP  
7 ON SITE - HEALTH & SAFETY MEETING

3 CREWS  
① JORGE - GROUT 124 B, INSTALL 126B 116B  
② NACHO - GROUT 119UB, INSTALL 127UB 127UB  
③ MIGUEL - INSTALL 107B, START 108B

730 GAUGE WELLS

745 FAX NOTES TO PAUL

815 ① JORGE FINISHED GROUTING AWO124B - MOVE TO 116B

830 PAUL SCOTT LATTIMORE 5800 FULL, START 5801, ? MATH B.N + 1000 B.N RATH

☐ STORAGE - ORANGE PAINT, COUPLERS, 2" SCIP CAPS

845 ② NACHO FINISHED GROUTING AWO119UB, MOVE TO 127UB ✓

1100 CHECK 102UB & 112UB LOCATION IN RELATION TO STORM SEWER. LOCATIONS ARE APPROXIMATELY 5' EAST OF PIPING TRENCH

1230 ③ MIGUEL - CHIPS PLACED INSIDE AUGERS & FULLER WELLS. PULL AUGERS & RE-DRILL W/ WOOD PLUG

☐ ? INCREASE TO 10" AUGERS? - YES - at NO charge by WDC

1200 - SAND BAGS / PLASTIC

☐ GLENN - PID / H2O LEVEL - LEFT MESSAGE

1315-1330 LUNCH

1400 ① FINISH GROUTING AWO124B. MOVE TO AWO115B ✓

② " 127UB 126B

③ RE-DRILL AWO107B W/ 10" AUGERS

1410 BOB NIX ON SITE - HE WILL BRING PLASTIC & SAND BAGS THURS

1420 SCOTT LATTIMORE CALLED. ONYX TO PICK UP 2 FULL BINS, BRING EMPTY + TEASH

IN THE AM (BEFORE 9) CALL WITH ON SITE.

Field Representative(s)	Time on site	Report/Travel/Other	Total hours

Distribution:

Haley & Aldrich, Inc.

# DAILY FIELD REPORT

Page 2 of 2

Project	PHASE 3 AMENDMENT WELLS	Report No.	(5)
Location	C6	Date	W 2/9/05
Client	ROEING	Page	2 of
Contractor	WDC	File No.	28882-502
Weather	CLEAR & BREEZY	Temperature	60°

1540 (3) AT 40' - CONSTRUCTING AW0107B

	TH 2/10/05	F	SA	M
SCHEDULE:	(1) JORGE 115B, 109B	108B, 110B	110B, 111UB	112UB
	(2) NACHO 126B, 117UB	78UB, 79UB	79UB, 80UB	39UB
	(3) MIGUEL 100B, 102UB	102UB, 69UB	68UB	48UB
	(4) PAUL 89B, 90UB	90UB, 91UB	58UB	57UB

 72  
 36B, 30  
 38B  
 47B  
 99UB, 9
 

1600 ONIX DROPPED OFF MANIFEST FOR ROLLOFFS FOR THE MORNING

1630 (1) &amp; (2) @ 65' 115B &amp; 126B - CLEANED UP OFFSITE

1730 (3) SET AW0107B SEAL. WILL GROUT IN THE AM.

1745 OFFSITE, UNLOADED

1800 DONE

19-1930 EMAILS

**Field Representative(s)**

Travis Hammond

**Time on site**

7-1800 = 11

**Report/Travel/Other**

45

**Total hours**

11.75

**Distribution:**

HALEY &amp; ALDRICH, INC.

## DAILY FIELD REPORT

Page 1 of 1

Project	PHASE 3 AWS	Report No.	6
Location	C6	Date	TH 2/10/05
Client	BOEING	Page	1
Contractor	WDC	File No.	28882-503
Weather	CLOUDY & CALM	Temperature	60°

630 ONSITE - PREPARE HRS MEET

7 HEALTH &amp; SAFETY MEETING

① JUDGE - 115B → 109B

② NACHO - 126B → 112UB

③ MIGUEL - 107B → 102UB

④ PAUL - 89B → 90B

ONYX PICKED UP SP 79, DROPPED EMPTY. PINNAGE DROPPED MASH BIN

☐ 2 QT PITCHERS, RAIN GEAR, PHOTOCOPY FIELD BOOKS TO RAIN PAPER

940 ③ START AW0102UB

1100 ② FINISHED GRouting AW0126B

☐ SCOTT C - 2 BINS FRIDAY + PICKUP 2 BINS & 1 on mon.  
G on 1 TH / 1 FR.1130 INSPECT AW0059C DAMAGE DENNIS TOOK PHOTOS, CASING IS DEFORMED  
& BROKEN OFF @ GROUND SURFACE DTW = 61.8' BGS

CUT &amp; CAPPED

TD = 115.8' BGS BOTTOM IS HARD

☐ RE-DEVELOP 59C

1300 STABBER &amp; SONS PICKUP SP 80 &amp; DROP EMPTY BIN SP-83

1306 - 1315 LUNCH

1500 ③ FINISHED AW0102UB MOVE TO 78UB, DRILL TO 65'

1545 ② FINISHED AW0117UB MOVE TO 108B, DRILL TO 65'

1555 CALL SCOTT LATTIMORE - HE WILL SCHEDULE DROP-OFF &amp; PICKUP IN AM

PREPARE SITE FOR POSSIBLE RAIN SHOWERS BY PLACING PLASTIC OVER  
ROWS OF WELLS AND STAGING ALL MATERIALS NEAR THE HOLES

1730 OFFSITE, UNLOAD.

## Field Representative(s)

Travis Hammond

Glenn Androsko

## Time on site

6:30 - 17:30

## Report/Travel/Other

HRS

## Total hours

11 hrs

Distribution:

Haley &amp; Aldrich, Inc.

## DAILY FIELD REPORT

Page 1 of 1

Project PHASE 3 AWS

Location C6

Client BOEING

Contractor WDC

Weather RAINY, CALM WIND

Report No. ⑦

Date F2/11/05

Page 1 of 1

File No. Z8882-S07

Temperature 50°

7:00 ONSITE. HEALTH &amp; SAFETY MEETING.

SPOKE W/ DAVE (MILLIE) - WE WILL HAVE TO REPAIR ANY DAMAGE DONE TO PAD

8:00 SITE WALK WITH 4 DRILLERS, GLENN, JEFF REARDON - BUILDING PAD HAS  
STANDING WATER OVER 50% OF SURFACE.

8:15 CALL DENNIS CARLSON - HE WILL CONTACT BOB NIX

WDC/H&amp;A ON STAND-BY, CALL BOB NIX &amp; CANCEL DEVELOPMENT RIG

TSH CALLED SCOTT LATTIMORE &amp; CANCEL BIN PICK-UP/DELIVERY.

9:00 DENNIS CARLSON ONSITE. SITE WALK &amp; DISCUSSION W/ SCOTT LATTIMORE.

WDC TO FINISH GROUTING AWD0908 & FULL RIGS OFF SITE. WE  
WILL RE-EVALUATE ON MONDAY FOR TUESDAY STARTCALL PAUL SONES - SEND PROJECT FILES TO JOEG. TO PRINT FOR GLENN  
& JEFF. HE WILL SEND THE FILES TO JO

10:30 GLENN ONSITE WATCHING CLEANUP. TSH CHECKING OUT OF HOTEL

11:30 QUITTE WDC MOVING RIGS OFFSITE. DECONNING RIGS @ ROCK DRIVE  
APRON BEFORE ENTERING ROAD. THEY WILL CLEAN UP THE STREET BEFORE  
LEAVING SITE

13:30 OFFSITE

16:00 HOME - UNLOAD

SAT 14-15 UNLOAD / CLEAN

## Field Representative(s)

Travis Hammond

Glenn Andrusko

Jeff Reardon

Distribution:

## Time on site

7 - 1330 = 6.5

7 - 13:30 = 6.5

7-10 = 3

## Report/Travel/Other

2.5

## Total hours

9

6.5

3

Haley &amp; Aldrich, Inc.

## DAILY FIELD REPORT

Page 1 of 6

Project	Bolney C-6	Report No.	2-17-05
Location	19503 S. Armando	Date	2-17-05
Client	Boring	Page	1 of
Contractor	WDE	File No.	28882-505
Weather	Cloudy & cool	Temperature	63°

Time	Event
06:55	Arrived on-site driller present. Walked site with driller to discuss test areas & determine potential for safety issues
07:10	Entered site with rig & equipment. Truck & setup at location AW00784B
07:30	Held HASP Tailgate Meeting, discussed concerns & issues, signed in field crew
07:50	Began operations after setting exclusion zone & discussion of drilling depth & screen interval to be set
	AW00784B Total Depth to be as follows: Bottom of screen 92 ft bgs Top of screen 72 ft bgs Bottom of hole 94 ft bgs Top of filter pack 70-71 ft bgs Top of seal 65-66 ft bgs Seal - bentonite chips
08:30	Driller on-site to evaluate conditions
08:40	Finished drilling to total depth - 93 ft bgs. Screen setting up for setting well. 20 ft screen - unexpected screen. Mud Time plus at end present. Driller knocked out wood plug - minor surge sand - loss one ft.
08:55	Set well by placing: 1 - 20 ft screen 3 - 20 ft blank 1 - 10 ft blank 1 - 5 ft blank Began putting in filter pack #3 Monterey Sand.

Field Representative(s)

Jeff Reardon

Time on site

06:55 - 17:25

Report/Travel/Other

2 hours

Total hours

12:30

Distribution:

Haley &amp; Aldrich, Inc.

DAILY FIELD REPORT

Page 2 of 6

Project: Bore C-6  
 Location: 19503 S Arroyo Ave  
 Client: Bore  
 Contractor: WBO  
 Weather: Sunny w Clouds

Report No. 2-17-05  
 Date: 2-17-05  
 Page: 2 of 6  
 File No. 2882-823  
 Temperature 68°

Time	Event
09:25	Began surging well screen interval Noted 3 ft of sand/silt at bottom of well casing Surging up 2 ft lifts for 2 min / lift over 20 ft = 20 min
09:41	Finished surging well casing - filter pack dropped 3 ft - adding sand to replace Surged 2nd time - up 10 ft screen for 10 minutes
10:02	Finished surging 2nd time - setup for put in seal - filter pack at 69.5 ft / 49.5
10:05	Checked depth to water in auger - measured at 69.5 ft / 49.5 - will use bentonite pellets instead of chips - Taped steel spindle to casing prior to putting bentonite pellets into borehole. Problem with grouting due to 1st lift with chips will use Tremie pipe to
10:15	Finished putting 1st lift of pellets into borehole. Continued problem at bridging material at chips at bottom of auger. Will continue to try & get Tremie pipe through bridge - Interrupted Dennis
10:50	Attempts to remedy bridging failed. Decision made to pull auger & re-drill. Paul Jones contacted & he agrees with decision
11:50	Finished removing auger & casing from borehole - will use new screen for 2nd attempt
11:54	Started redrilling borehole

Dennis. Through bridge then place  
 pellets below bridge

Field Representative(s): Jeff Reed Time on site: \_\_\_\_\_ Report/Travel/Other: \_\_\_\_\_ Total hours: \_\_\_\_\_

Distribution:

Dennis (818) 535-7438 Jeff Reed  
 Haley & Aldrich, Inc.



# DAILY FIELD REPORT

Page 3 of 6

Project	<u>Boeing C-6</u>	Report No.	<u>2-17-05</u>
Location	<u>185030 S Normandie</u>	Date	<u>2-17-05</u>
Client	<u>Boeing</u>	Page	<u>3</u> of <u>3</u>
Contractor	<u>WDC</u>	File No.	<u>28882.503</u>
Weather	<u>Cloudy &amp; Cool</u>	Temperature	<u>68°</u>

Time	Event
12:00	Note Paul Jones called & gave direction to drill hole to 94 ft bgs for bottom of screen & use kentato pellets instead of chips to form seal.  Also, when drill bit & lead auger examined after removal - wood plug had split & got jammed into auger assembly causing the kentato bridge to occur.  Lunch Break  Resumed drilling operation.
13:00	Re-drilled to 95 ft bgs (w/ 1 ft overkill)
12:10	Started knocking out wood plug
12:12	Started inserting 40 2 1/2 inch 180 units backfill. Inspected new split screen to verify no chips & breaks (damage) to screen. (Started running) (935)
12:15	Casing set to 93 ft bgs. 1 1/2 ft casing above ground surface. Screen setting.
13:36	Filter pack to 72 ft bgs began surging 1 ft - 1 ft inside of PVC casing. Surged as before.
14:05	Finished filter pack surging - sand dropped 2 feet w/ 1 ft of casing. Will stop at filter pack at 72 ft bgs & surge for 5 minutes. In surging, measured at 65 ft bgs use 3 ft pellets & 2 ft of chips for seal.

Field Representative(s)	Time on site	Report/Travel/Other	Total hours
<u>Jeff Renda</u>	_____	_____	_____

Distribution:

*Jeff Renda*  
Haley & Aldrich, Inc.

## DAILY FIELD REPORT

Page 4 of 6

Project	Boeing C-6	Report No.	21705
Location	1950305 Normandie	Date	2-17-05
Client	Boeing	Page	4 of
Contractor	WDC	File No.	28882-503
Weather	Cloudy & Raining	Temperature	68°

Time	Event
14:15	Finished placing filter pack - stayed at 72 ft bgs. Used 7 bags of #3 Mixture Sand. Starting placing bentonite pellets into well borehole. Top of seal at 67 ft bgs
14:20	Placed 3 feet of bentonite pellets & 2 feet of bentonite chips into borehole. Used 2 buckets of pellets & 1/2 bag chips
15:10	Started grouting hole - Used 3 scoops of bentonite with 1 bag cement / batch
<del>15:40</del>	Start
16:20	Finished grouting borehole to 2 ft bgs. 14 bags cement = 1-1/4 bags bentonite
16:25	Began cleaning site
	Depth to Groundwater 68.3
	Depth to Bottom of Well 92
	Silt in casing 1/2 ft
17:25	Left site for Office

Field Representative(s)

J. R. Rando

Time on site

Report/Travel/Other

Total hours

Distribution:



**HALEY &  
ALDRICH****DAILY FIELD LOG**

Page 1 of 2

PROJECT	BOEING C-6	H&A FILE NO.	20362-542
LOCATION	LOT 8	PROJECT MGR	ZACHARY
CLIENT	BOEING	FIELD REP	SQUIRE
GEN. CONTRACTOR	WILLIE	DATE	2-18-05
SUBCONTRACTOR	WDC		

**General Information:**

1. Arrival Time at Site	0700
2. Departure Time From Site	1500
3. Weather	RAIN
4. Purpose of Visit	DRILLING OVERSIGHT
5. H&S Meeting Time	0800

**Personnel on Site:**

PS, NS, &amp; JS MEET 0700 W/ DC (BOEING)

**Construction Activities Observed:**

Excavating or Existing Open Trenches?	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes. Include Trench Inspection Form(s)
Installation of Remediation Infrastructure?	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes. Include Materials and Construction Inspection Form(s)
SVE Pipe Pressure Testing?	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes. Include PVC Pipe Pressure Test Form(s)
Bioamendment Pipe Pressure Testing?	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes. Include HDPE Pipe Pressure Test Form(s)
Survey Contractors on Site?	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes. Include Survey Form
Contractor Requested Change Order?	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes. Field C.O. Form(s) Submitted.
Near Misses (Health & Safety)	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes. Incident Reporting Procedures Implemented

**Description of Activities:**

0700 IS ON SITE - MEET PS, NS

WDC ON SITE W/ 2 DRILL RIGS &amp; 2 DEVELOPMENT RIGS

- ASSESSED PAD CONDITION &amp; WORK AREAS. ADDED GRAVEL TO ANTICIPATED WORK AREAS.

- SENT 1 DRILL AND BOTH DEVELOPMENT RIGS BACK.

0800 H&amp;S Meeting w/ crew.

- SET-UP ON ANDIOBB WHERE 65' AUGER HAD ALREADY BEEN SET.

tribution:

Haley &amp; Aldrich, Inc.

**HALEY &  
ALDRICH****DAILY FIELD LOG**

Page 2 of 2

PROJECT	BOEING C-6	H&A FILE NO.	20082-542
LOCATION	LOT 8	PROJECT MGR.	ZACHARY
CLIENT	BOEING	FIELD REP	SQUIRE
GEN. CONTRACTOR	MILLIE	DATE	2-18-05
SUBCONTRACTOR	WDC		

**Description of Activities:**

1000 - AT DEPTH - 104' BGS

- DRILLING & WORK TOUGH GOING IN MUD & RAIN.  
FORKLIFT KEEPS GETTING STUCK.

1130 GROUT AWO108

1300 BEGIN AUGER @ AWO091  
- GET 65' AUGER

1500 OFF SITE

**Distribution:**PRS  
2/21/05

Haley &amp; Aldrich, Inc.

# DAILY FIELD REPORT

Page 1 of 2

Project	CB PARSE 3 AWS	Report No.	(1)
Location	1451 1/2 KNOX ST. LA CA	Date	TU 3/1/05
Client	WDC BOEING	Page	1 of 2
Contractor	WDC	File No.	28882-505
Weather	MOSTLY CLOUDY & BREEZY	Temperature	60° -

5-760ADJUP TRAVEL TO HQ AT HB  
715 ONSITE. MEET W/ RAMZI TO PASS NOTES & PUNCH LIST  
710-815 TRAVEL TO CB

830 MEET WITH WDC DEVELOPER JASON PATRICK  
HEALTH & SAFETY MEETING

845 SITE WALK TO INVESTIGATE DRIVING PATHS  
SETTING UP TO SURGE/RAIL THE NORTHERN 6 WELLS  
FILL UP WATER TANK  
PAUL CALLED - WDC SCHEDULE  
- ICS BACKLOG ☒ CALL HENDER  
- LOOK @ WELLS THAT WERE RE DONE: 170BB, 114B, 107B, 78BB  
10BB

910 AWO170BB DTU: 66.8' + 1.5' = 68.3'  
TD: 94.4' + 1.5' = 95.9'  
STILLUP: 1.5' BELOW GRADE

1030 FINISHED DEVELOPING AWO170BB. SETUP TO INSERT.  
NEED TO PURCHASE A SUMP PUMP CAPABLE OF 10 GPM OUTPUT THROUGH ROW  
METER JASON WILL BRING IT TOMORROW.

1130 SET UP TO DEVELOP AWO120B

1145 PAUL CALL - BOB NIX DRILL RIG STARTING TOMORROW

1215 FINISHED DEVELOPING AWO120B. MOVE TO AWO168LB  
AWO120B TD = 91.85' bgs DESIGN DEPTH WAS 102.5' ON LOG  
☒ DISCUSS WITH PAUL  
- NEED LOGS FOR 10BB, 78B  
- AWO168LB IN THE WINDOW @ 111UB, 91UB

1300 DENNIS GILSON @ SITE. SITE WALK W/ JOHN HENDER - FOCUS ON NORTHERN WELLS  
HOMEDEPOT ☒ 2" COUPLERS FOR CUTTING PIPES @ INJECTION TEST  
☒ BINS ☒ CHECKOUT AWO092 ON PARCEL A - HIT 45AW

1315 FINISHED DEVELOPING AWO168LB MOVE TO 88C

1345-1415 LUNCH

1430 CALL PAUL ☒ MINIFAX # ☒ 2 RIGS AM ☐ ROB RE - DO?

Field Representative(s) 310.618. ~~109~~ <sup>109</sup> Time on site

Report/Travel/Other

Total hours

Distribution:

## DAILY FIELD REPORT

Page 2 of 2

Project	C6 PH3 AWS	Report No.	1
Location	1451 KNOX ST LA CA	Date	TU 3/1/05
Client	BOEING	Page	2 of
Contractor	WDE	File No.	28802-SOS
Weather	PARTLY CLOUDY	Temperature	60°

~~15:00 DENNIS OFFSITE~~

CALL SCOTT LATTIMORE - 2 NEW BINS NEEDED, 2 FULL &amp; ONE EMPTY IN MUDDY AREA ALL INACCESSIBLE - HE WILL CALL BACK

15:15 DENNIS OFFSITE [CHECK] NOTES ON 120B INSTALL

[CHECK] DENNIS @ N SIDE - LABS &amp; LIDS

CALL RAMZI - WED/THU WORK

15:15 FINISHED DEVELOPING AW0008C. BEGIN DEVELOPING AW0022C

[CHECK] COPIES OF FIELD FORMS

15:45 REVIEWED FIELD NOTES FROM M 2/7/05 ON AW0120B INSTALLATION. NOTES INDICATE NACHO DRILLED TO 100'. THIS WAS THE DAY THEY WAITED FOR THE DELIVERY OF 10' SCREENS SO THEY COULD INS TALL 30' SCREEN.

16:15 FINISHED DEVELOPING AW0022C

16:30 BEGIN DEVELOPING AW0022B

16:75 SCOTT LATTIMORE CALLED - HE CALLED ONYX BUT HADN'T HEARD BACK ABOUT A BIT FOR WED AM.

16:50 RESERVES ROOM FOR RAMZI

17:05 FINISHED DEVELOPING AW0022B. CHECK OUT 120B BOTTOM CONDITIONS

17:30 ON 120B LOG, IT IS INDICATED THAT THE TD BEFORE SURGING WAS 103'. AFTER SURGING (DURING CONSTRUCTION), THE TD WAS 97.3'. CHECKED INSIDE UPPER WELL THREADS AND THERE IS GROUT ON THE TUBELABS INSIDE THE WELL CASING

18:05 FINISHED BAILING SEDIMENTS OUT OF AW0120B. CLEARED OUT TO TD = 102.65' WHERE IT WAS SUPPOSED TO BE

18:15 CLEANING UP

18:30 OFFSITE. OFFICE REPORT TO COLY FORMS &amp; GET SIGN/LE 6.1W

18:45 PER BOYS - HEADLIGHT

19:00 UNLOAD

19:15 DONE

Field Representative(s)

Travis Hammond

Time on site

8:15-18:30 = 10.25

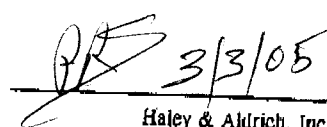
Report/Travel/Other

5-8:15 + 18:30-9:15 = 4

Total hours

14.25

Distribution:


  
 Haley & Aldrich, Inc.

# DAILY FIELD REPORT

Page 1 of 1

Project	C6 PH3 AW <sup>2</sup>	Report No.	2882-505
Location	1451 1/2 KNOX ST LA, CA	Date	W 3/2/05
Client	BDELING	Page	1 of
Contractor	WDC	File No.	2882-505
Weather	PARTLY CLOUDY & BREEZY	Temperature	65°

6:45 - ON SITE

7:15 IT'S STARTING

CREW ① STEVE HUSTON - BEGIN DRILLING AW0035B

② GILBERT - MOBILIZING FROM SAN DIEGO, TO ARRIVE 9AM  
DEVELOPER - JASON POTROFF WORK W/ RAMZI

PAUL ☐ FAX NOTES IN TODAY

10:15 CREW ② ON SITE. (HEALTH &amp; SAFETY MEETING. SETUP ON AW0079UB

MEET W/ DENNIS / SCOTT ☐ 112 PRIORITY  
☐ 92 RE-DEVELOP

DEVELOPMENT - KENT M BYRON 107B ALSO - REDRILLED W 10" AUGER

11:25 ① FINISHED AW0035B. START AW0091UB (AUGER @ 70 ALREADY FROM 2 WEEKS AGO)

13:15-1330 LUNCH

14:00 BEGINNING TO DRIZZLE.

① FINISHED AW0091UB. START AW0058UB

17:00 WRAPPING UP. ① SET AW0058UB WELL & SEAL  
② AT 70'

☐ MARKING PAINT

17:20 OFF SITE. WRAP UP NOTES TO FAX

17:45 UNLOAD

18:00 DONE

## Field Representative(s)

Tavis Hammond  
Ramzi Ramzi

## Time on site

6:45 - 1720 = 10.5  
" " 10.5

## Report/Travel/Other

1720 - 1800 = 0.75  
" " 0.75

## Total hours

11.25  
11.25

## Distribution:

Paul Sener 3/3/05  
Haley & Aldrich, Inc.

## DAILY FIELD REPORT

Page ( of )

Project CG PH3 AWS

Location 1451 1/2 Knox ST LA, CA

Client BDEING

Contractor WDC

Weather cloudy

Report No.

Date TH 3/3/05

Page 1 of 1

File No. 28882-505

Temperature 60s

645 LOAD UP

7 ONSITE - HEALTH &amp; SAFETY (1) STEVE HUSTON AWOOS8UB GROUTING

(2) GILBERT MARTINEZ AWOOT9UB DRILL TO TD

900 CALL PAUL - NO DEVELOPMENT FOR 2 DRILL RIGS W/ JEREMY

[ ] BDB - DEVELOPER NEXT WEEK

(1) FINISHED GROUTING AWOOS8UB MOVE TO AWOOS7UB

1030 ROBERT COPELAND CALLED [ ] ? READY TO SHIP SOIL / WATER OR MORE  
INSTRUCTION / SAMPLING SOON - CALL PAUL

1040 BDB NIX - CLEANUP LAR OUT, WHO'S COMING

- FOR 85/95

- 9A YRIGS

1100 (2) FINISHED GROUTING AWOOT9UB MOVE TO SINK 65' @ AWOOS90UB

13-1330 LUNCH

1515 GILBERTS CREW OFFSITE.

[ ] BEING LOSS FROM PHASE 1 &amp; 2 NEXT WEEK FOR 92C REDEVELOPMENT

[ ] ? REPLACE 59C RE-DEVELOP? - NO

1630 RANZI OFFSITE TO FINISH DEVELOPMENT LOSS

1700 LEAVE GEAR &amp; NOTES IN MILLIE TRAILER FOR JEREMY.

1730 JASON CLEANING OUT TANK &amp; PUMPING WATER INTO SITE POLY TANK

1740 STEVE HUSTON RETURNED TO THE SITE. DISCUSS PLAN FOR TOMORROW.

1900 JASON SERVING EQUIPMENT &amp; PACKING UP

1830 OFFSITE, UNLOADED

1845 DONE

Field Representative(s)

Travis Hammond

Time on site

7-1830 = 11.5

Report/Travel/Other

1/2

Total hours

12

Distribution:

 3/7/05  
Haley & Aldrich, Inc.



HALEY &  
ALDRICH

## DAILY FIELD LOG

Page of

PROJECT	Boeing C-6	H&A FILE NO.	28882-505
LOCATION	Lot 8	PROJECT MGR.	Zachary
CLIENT	Boeing	FIELD REP	Jeremy Squire
GEN. CONTRACTOR	<del>WDC</del> Millie	DATE	3/4/05
SUBCONTRACTOR	WDC/ICS		

## Description of Activities:

0940 SVE LAYER 1 PASS PRESSURE TEST

1040 WDC COMPLETE AW0069UB

SET UP ON AW0036B

1100 TAIT OFFSITE

1130 SVE LAYER 2 PASS PRESSURE TEST

1150 WDC COMPLETE AW0080UB

SET UP ON AW0068UB

1230 ICS MOB TO INSTALL VEW-1 PIPING ON  
PARCEL A. WELL NOT WHERE TAIT LOCATED IT  
(APPRX 5-FT AWAY) TRENCH LARGER THAN  
EXPECTED.


1645 WDC COMPLETE AW0036B

SET UP ON AW0048UB DRILL 65 FT SET AUGER

1520 WDC COMPLETE AW0068

1550 OFFSITE

Distribution:

 3/7/05  
Haley & Aldrich, Inc.

**HALEY &  
ALDRICH****DAILY FIELD LOG**

Page of

PROJECT	BOEING C-6	H&A FILE NO.	28887-
LOCATION	LOT 8 / PARCEL A	PROJECT MGR	ZACHARY
CLIENT	BOEING	FIELD REP	SQUIRE
GEN. CONTRACTOR	MILLIE	DATE	3/4/05
SUBCONTRACTOR	WDC / ICS		

**General Information:**

1. Arrival Time at Site	0630
2. Departure Time From Site	1550
3. Weather	DRIZZLE CHANGE TO PT CLDY
4. Purpose of Visit	OVERSIGHT & DRILLING
5. H&S Meeting Time	0700

**Personnel on Site:**

JS - H&A
ICS - JH & CREW
WDC - STEVE + 2, PAUL + 2

**Construction Activities Observed:**

Excavating or Existing Open Trenches?	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes. Include Trench Inspection Form(s)
Installation of Remediation Infrastructure?	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes. Include Materials and Construction Inspection Form(s)
SVE Pipe Pressure Testing?	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes. Include PVC Pipe Pressure Test Form(s)
Bioamendment Pipe Pressure Testing?	<input type="checkbox"/> No	<input type="checkbox"/> Yes. Include HDPE Pipe Pressure Test Form(s)
Survey Contractors on Site?	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes. Include Survey Form
Contractor Requested Change Order?	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes. Field C.O. Form(s) Submitted.
Near Misses (Health & Safety)	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes. Incident Reporting Procedures Implemented

**Description of Activities:**

0700 H&S BRIEFING - ICS & WDC
0730
- TAIT ONSITE FOR GROUNDWATER MONITORING
- WDC BEGIN DRILLING AW0069UB
CONTINUE DRILLING AW0080UB
- ICS PLACE SVE PIPE & COMPLETE PAD SVE TRENCHING
PLACING SAND BEDDING FOR SVE PIPE
0930 TAIT ONSITE TO SHOOT VIEW-22, VIEW-1, 2, 3, AND
AS-BUILT SVE PIPING.

tribution:

Haley &amp; Aldrich, Inc.

## DAILY FIELD REPORT

Page 1 of 1

Project	C6 PH3 AWS	Report No.	
Location	1451 1/2 KNOX ST	Date	SA 3/5/05
Client	BOEING	Page	1 of
Contractor	WDC	File No.	28882505
Weather	CLEAR & BREEZY	Temperature	65-70°

700 ONSITE

730 HRS MEETING

- ① STEVE HUSTON AW00<sup>48</sup> SUB @ 65'
- ② JOSE GUTIERREZ AW0111 UB @ 65'
- ③ PAUL ALMAZA AW0097B
- ④ NACHO GUTIERREZ AW0099 UB

900 TOP OFF GROUT 39UB, 64UB, 68UB

□ JEREMY - COMPLETION MATRIX &amp; COMPLETED LOGS - LAT MOISTURE

JCS MOVED TRENCH PLATES TO ALLOW ACCESS TO 39 &amp; 47

1230 - 13 LUNCH

1415 PAUL OFFSITE

- ① & ③ CLEANING UP
- ② & ④ CONTINUE TO DRILL

1645 ② &amp; ④ CLEANING UP

1730 OFFSITE, UNLOAD

1745 DONE

SU

12-2 TRAVEL

2 - TC/EXP/NOTES

## Field Representative(s)

Travis Hammond  
Paul Senees

## Time on site

7-17.30 = 10 hrs  
7-1400 = 7 hrs

## Report/Travel/Other

2+ = 2  
2+ = 2

## Total hours

12+  
9

Distribution:

*PRS* 3/7/05  
Haley & Aldrich, Inc.

## DAILY FIELD REPORT

Page 1 of 2

Project	CG PERJAWS	Report No.	
Location	1451 KNOX	Date	M 3/7/05
Client	BURNS	Page	1 of
Contractor	WDC	File No.	2 B88L-505
Weather	CLEAR & BRISLEY	Temperature	70°

730 - 730 TRAVEL

815 HEALTH &amp; SAFETY MEETING

LOG DEVEL  
CALL PAUL - 92C CONSTRUCTION LOG = 114' ~~45'~~ 85' 115.5' (100) - 1.5C = 114  
- FAX DEVEL NOTES.

① STEVE HUSTON AWO03PUB @ 65'

② PAUL ALMAZA AWO047B @ 65'

DEVELOPER JOHN FORMOFF &amp; RAMZI RE-DEVELOP 92C, CONTINUE IN OFFICE MEET

TOP OFF GROUT - 110B @ 15' 111B @ 4' 112B @ 6' 100B @ 7' 97B @ 6' 480B @ 8'  
980 3.5 980 6.2

1050 AWO060C - ~~1050 7.5~~ RAMZI WORKING ON TESTING / REDEVELOPMENT  
114 TD

1100 CHECK AWO060C - TD @ 112.5 855 = 65' SEALMENT. RAMZI WORKING  
TO CLEAN IT OUT

☐? CHANGE TIME TO RE-DEVELOPMENT FOR RAMZI / WDC?  
- TRACK IT BUT DON'T CHANGE

PULLED PAUL'S RIS OFF 47B TO HELP WITH SURGING / BAILING WELLS  
STEVE'S CREW WILL FINISH GROUTING 47B & MOVE TO 38B

1230 714. 602. 4256 WDC OC - BOSS OFFICE OFFICE -

☐? BILLING FOR REDEVELOPMENT - NO

- DRILL RIG SET UP DEVELOP

- DEVELOP 8:30 AM START

- REDEVEL @ 40 FINEK MINGO 34

PAUL GIVES - MICHAEL BINDER 562.593.3709  
DAVE GANDUNG 562.593.3789

1315 - 1330 LUNCH

CALL MICHAEL BINDER - HE WILL TRY TO GET A.B.N FROM ONYX

CALL BOB - DEVELOP W/ CME-75 TAKE RAILROAD BACK

1530 PAUL'S CREW CLEANING UP

STEVE'S CREW TOPPING OFF GROUT 47B, 38B, 480B, 112B, 110B, 100B

Field Representative(s)	Time on site	Report/Travel/Other	Total hours
Travis Hammond	7:30 - 17:15 = 9.75	5:30 - 7:30 + 1.0 = 2.75	12.5
Ramzi Ramzi	7:30 - 17:15 = 9.75	2.75	12.5

Distribution:

Haley &amp; Aldrich, Inc.

# DAILY FIELD REPORT

Page 2 of 2

Project	<u>CG PH 3 AWS</u>	Report No.	
Location	<u>1457 WNOX ST</u>	Date	<u>11/3/05</u>
Client	<u>BOEING</u>	Page	<u>2</u> of <u>2</u>
Contractor	<u>WDC</u>	File No.	<u>28802-505</u>
Weather	<u>Clear &amp; BREEZY</u>	Temperature	<u>70°</u>

1615 BOTH CREWS LOADING UP & CLEANING

1700 CALL BOB NIX - NEED 2 GUYS W/ HOPPER SHOVELS TRASH BAGS,  
EMPTY CHASE TRUCK, ARRIVAL FOR FINAL CLEANUP  
BOB WILL INSPECT ON TUESDAY FOR CREW ON WEDNESDAY

1715 ORGITE UNLOAD

1800 DONE

Field Representative(s)	Time on site	Report/Travel/Other	Total hours

Distribution:

*PRS* 3/10/05  
Haley & Aldrich, Inc.

# DAILY FIELD REPORT

Page 1 of 1

Project	CG PH3AUS	Report No.	
Location	1451 KNOX ST	Date	TU 3/8/05
Client	BOEING	Page	of
Contractor	WDC	File No.	28882-505
Weather	CLOUDY & COOL	Temperature	60°

700 ONSITE HEALTH & SAFETY WDC - NACHO JASON HSA - RAMZI  
DENNIS CALLED - SPEED UP INJECTION 2  
ANDY SCISM - SUNSTATE EQUIPMENT 800-894-7368  
DELIVERY \$17  
H2O TRUCK \$246/DAY  
TALK WITH BOB NIX ABOUT TRUCK  
CALLOTT LATTIMORE

900 PAUL SEVES - 6IC & 24B INJECTION TEST TODAY

Had significant  
Draw down  
during previous  
pumping development

920 STRUGGON & SONS DELIVERING EMPTY BIN

955 FAX NOTES TO PAUL

SCOTT LATTIMORE - ☐ REMOVE EMPTY DRAWS REMTIT  
☐ SCHEDULE ROLLOFFS FOR THURSDAY (NEED SMALL TRUCK  
& ROCKET LAUNCHERS) + MANIFESTS (HWS 1)  
JANEMY NOTES / LOGS FROM PRI 3/4-36B, 68UB, 69UB, 80UB

1145 DENNIS CALLED - NO VISIT TODAY

PAUL - WATER TRUCK - ASK BOB

BOB NIX SITE VISIT - CROW TO CLEAN UP ON WED.

1215 GIL UNITED RENTALS - GARDENA \$75 DELIVERY, \$75 PICKUP 310.527.9858  
\$260/DAY - RENTAL PROTECTION 14%  
4PM DELIVERY TODAY

19 WELLS LEFT TO SURGE/BAIL & 4+2+5+19= TO INJECT = 30

13-1330 LUNCH

1330 SCOTT LATTIMORE CALL - PU 2-3 BINS W & REST ON TH. (INCL. TRASH)  
- WILL REMOVE EMPTY DRAWS WHEN TIT IS FINISHED

1600 UNITED RENTALS DELIVERED WATER TRUCK

1730 CLEANING UP - NACHO OFFSITE 1700

1745 OFFSITE. OFFICE DEPT FOR COPIES

18:00 UPLOAD

Field Representative(s)	Time on site	Report/Travel/Other	Total hours
Travis Hemmard	7-1745 = 10.75	0.25	11
Ramzi Ramzi	7-1245 = 10.75	0.25	11

Distribution:

*[Signature]* 3/10/05  
Haley & Aldrich, Inc.

## DAILY FIELD REPORT

Page 1 of 1

Project	CG PH3 AW's	Report No.	
Location	1451 KNOX ST	Date	11/5/05
Client	BOEING	Page	1 of
Contractor	WDC	File No.	28882-SUS
Weather	Foggy & Cloudy	Temperature	60°

645 LOAD UP

700 ONSITE - HEALTH &amp; SAFETY MEETING

RAMZI &amp; JASON - INJECTION TEST VAULT 2 WELLS

TRAVIS &amp; NATCH - DEVELOP REMAINING WELL

QUINTIN &amp; TUREG - SITE CLEAN UP

900 STURGEON &amp; SONS ONSITE TO PICK UP SPOB1

1040 JEREMY CALLED - HE NOTICED AW0004 WAS DAMAGED ON PARCEL A

1115 INSPECT WELL AW0004UB - STICKUP 3'

DTW 59.6' BGS

TD 82.9' BGS

SHOULD BE ~85 BGS

ORIGINAL LOG STICKUP 4.1

TD 86.5 BGS

AFTR DEVEL 85.8 TOC

DEVEL STICKUP 0.7

# ~85'

MADE  
RAYED  
~1'  
AFTER THAT  
MISSING

CALL PAUL - RUN SURGE/BAIL &amp; INJECT ASAP

1200 STURGEON &amp; SONS ONSITE TO PICK UP SPOB2

13-1370 CUNCH

1400 RE-DEVELOP AW0004UB

1515 COMPLETED CLEAN-OUT OF AW0004UB, WILL INJECTIVE TEST IN 4H

1705 RAMZI / JASON WRAPPING UP

1730 OFFSITE, UNLOAD

1745 DONE

Field Representative(s)

Time on site

Report/Travel/Other

Total hours

Distribution:

Haley &amp; Aldrich, Inc.

Project	C6 PH3 AW3	Report No.	
Location	1451 KNOX ST	Date	TH 3/10/05
Client	BOEING	Page	1 of
Contractor	WDC	File No.	28892-505
Weather	FUSSY & CALM	Temperature	60°

645 LOADUP

700 ON-SITE HEALTH &amp; SAFETY MEETING

STURGEON &amp; SONS PICKING UP SPOB3

RAMZI/JASON - INJECTION TEST AW COOYUB &amp; CONTINUE ON LOT 8

TRANS/NACHO - DEVELOP REMAINING 5 WELLS

800 AWCOOYUB PASSED INJECTION TEST. RAMZI/JASON TO INJECT NORTHERN WELLS 38, 39, 47  
☒ MW-34 COMPANY BORING LOG 63.5 - 68.5 + 0.5 CH?

PAUL ☒ 112UB LOG☒ RE-CHECK 69UB BOTTOM - TD

1055 STURGEON & SONS ON-SITE TO PICK UP SPOB4. CALL SCOTT LATTIMORE - HE WILL  
 COME TO SIGN MANIFEST

STURGEON COULD NOT REACH 84 - TAKING 85

SCOTT LATTIMORE ~~WILL~~ WILL ARRANGE FOR TANK BIN, USED DRUM, & EMPTY DRUM PICKUP.

1150 ☐ CAN WE INSTALL PH4 WELLS EARLY? - DAVE WANTS TO SPEED UP SCHEDULE  
 & GET CURB & GUTTER ON EAST SIDE OF PROPERTY IN EARLY

PATRICK - 72C, 83C, 104C - DID NOT GET PRESSURE TESTED OR PIPED IN

1230 - 17 LUNCH

1330 STURGEON &amp; SONS ON-SITE TO PICKUP SPOB4

DENNIS (ALSON) - ? WHICH WELLS ARE BORED

101, 118, 123 BORED WELLS = 9B

☐ MAIL MANIFEST TO SCOTT LATTIMORE

1510 - LAST INJECTION TEST 97B

JASON TRANSFERING WATER TO POLY TANK IDW504

1600 RAMZI OFFSITE

1715 FINISHED PUMPING WATER TO POLY TANK. CLEANING UP.

1745 OFFSITE

2030 OFFICE - UNLOAD

2045 DONE

Field Representative(s)	Time on site	Report/Travel/Other	Total hours

Distribution:

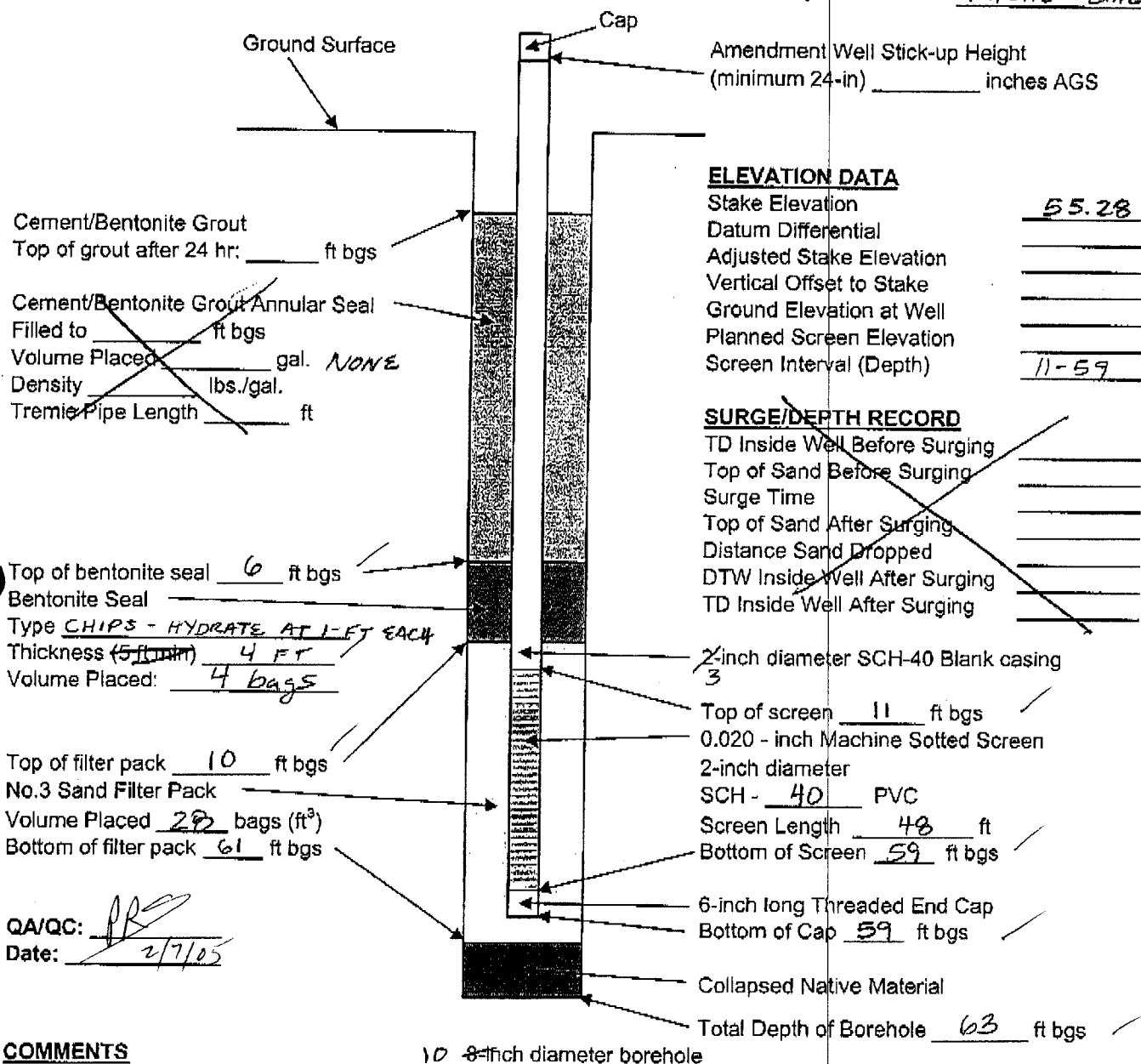


**Attachment D**  
**Well Construction Records**

**HALEY &  
ALDRICH**

**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: VMW-1  
 Start Date/Time: 2-3-05 1345  
 Finish Date/Time: 2-3-05 16:00  
 Driller/Rig: NACHO CME95





**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: VMW-2  
 Start Date/Time: 2-3-05 0930  
 Finish Date/Time: 2-3-05 1050  
 Driller/Rig: JORGE - CMES

Ground Surface

Cement/Bentonite Grout  
 Top of grout after 24 hr: \_\_\_\_\_ ft bgs

Cement/Bentonite Grout Annular Seal  
 Filled to \_\_\_\_\_ ft bgs  
 Volume Placed \_\_\_\_\_ gal.  
 Density \_\_\_\_\_ lbs./gal. NONE  
 Tremie Pipe Length \_\_\_\_\_ ft

Amendment Well Stick-up Height  
 (minimum 24-in) 36 inches AGS

**ELEVATION DATA**

Stake Elevation 55.52 ✓  
 Datum Differential \_\_\_\_\_  
 Adjusted Stake Elevation \_\_\_\_\_  
 Vertical Offset to Stake \_\_\_\_\_  
 Ground Elevation at Well \_\_\_\_\_  
 Planned Screen Elevation \_\_\_\_\_  
 Screen Interval (Depth) 11-99

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging \_\_\_\_\_  
 Top of Sand Before Surging \_\_\_\_\_  
 Surge Time \_\_\_\_\_  
 Top of Sand After Surging \_\_\_\_\_  
 Distance Sand Dropped \_\_\_\_\_  
 DTW Inside Well After Surging \_\_\_\_\_  
 TD Inside Well After Surging \_\_\_\_\_

Top of bentonite seal 6 ft bgs  
 Bentonite Seal  
 Type CHIPS - HYDRATE 1 FT LIFTS  
 Thickness (5 ft min) 4 FT  
 Volume Placed: 3 bags

3 2-inch diameter SCH-40 Blank casing ✓

Top of filter pack 10 ft bgs  
 No.3 Sand Filter Pack  
 Volume Placed 31 bags (ft³) ✓  
 Bottom of filter pack 60 ft bgs

Top of screen 11 ft bgs ✓  
 0.020 - inch Machine Sotted Screen  
 2-inch diameter  
 SCH - 40 PVC  
 Screen Length 48 ft  
 Bottom of Screen \_\_\_\_\_ ft bgs

QA/QC: PPS  
 Date: 2/7/05

6-inch long Threaded End Cap  
 Bottom of Cap 59 ft bgs ✓

Collapsed Native Material

Total Depth of Borehole 61 ft bgs ✓

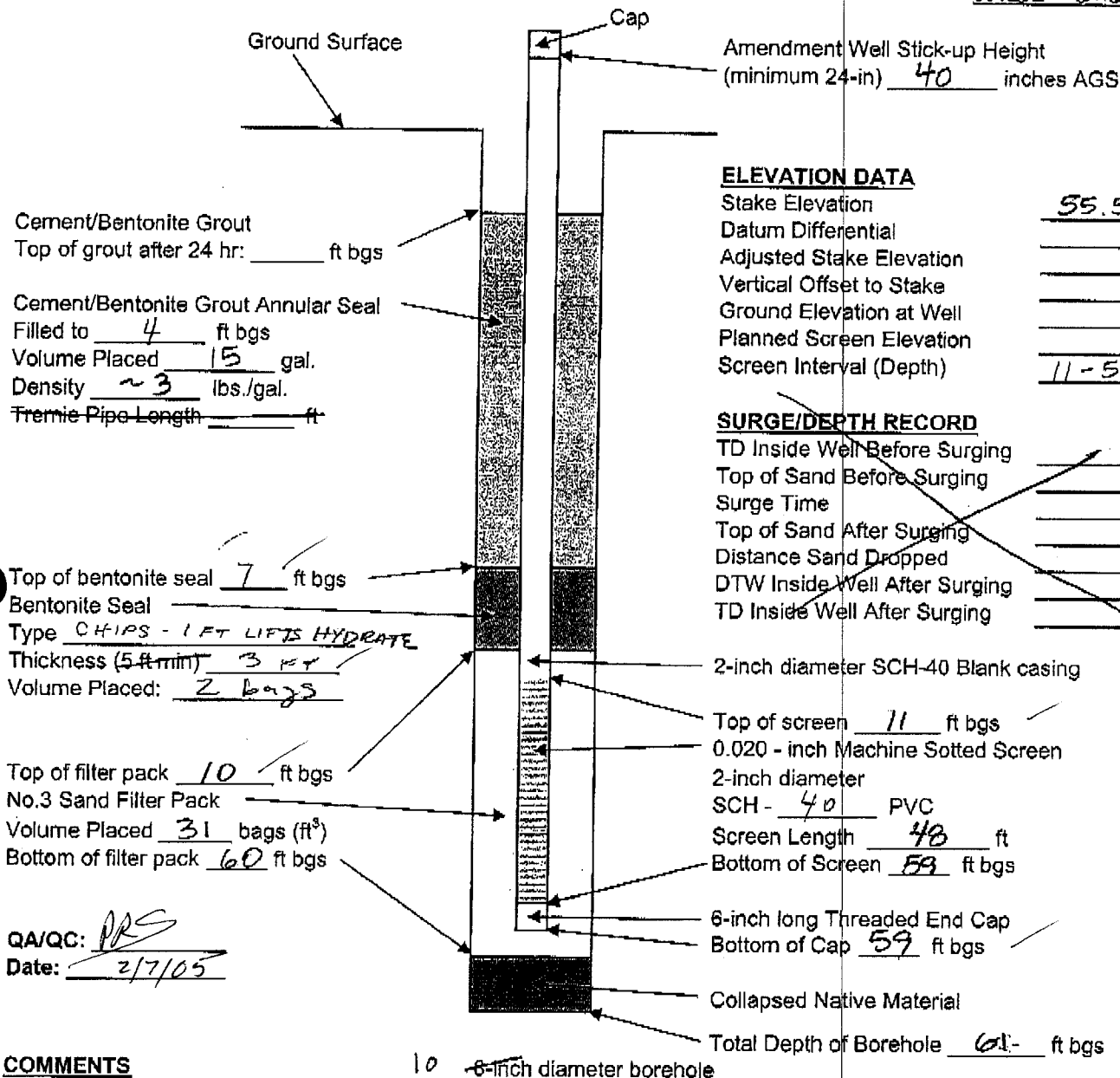
**COMMENTS**

10.8-inch diameter borehole

**HALEY &  
ALDRICH**

**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: VMW-03  
 Start Date/Time: 02-3-05 11:10  
 Finish Date/Time: 02-3-05 13:45  
 Driller/Rig: JORGE CME95

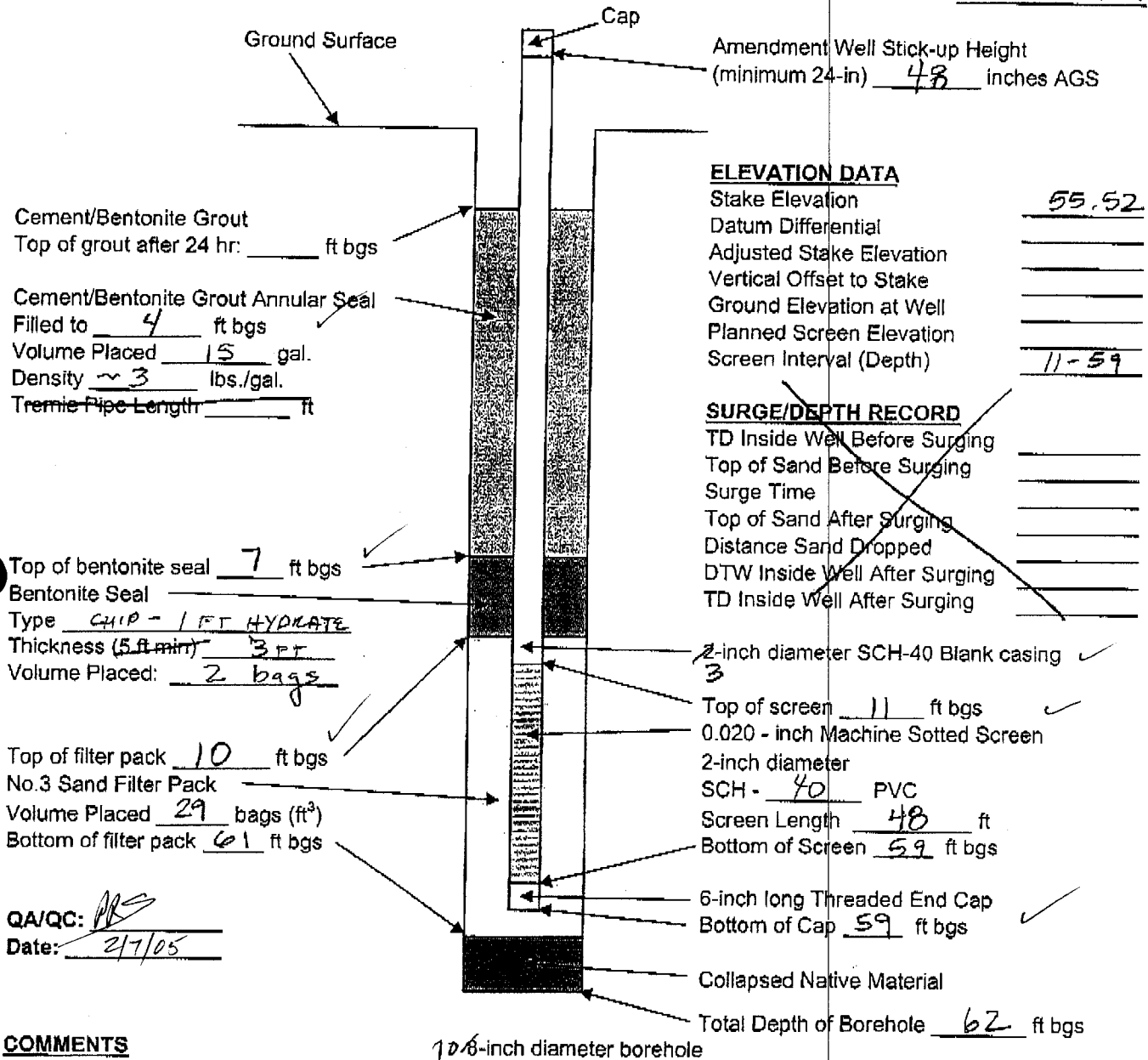


**COMMENTS**

**HALEY &  
ALDRICH**

**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

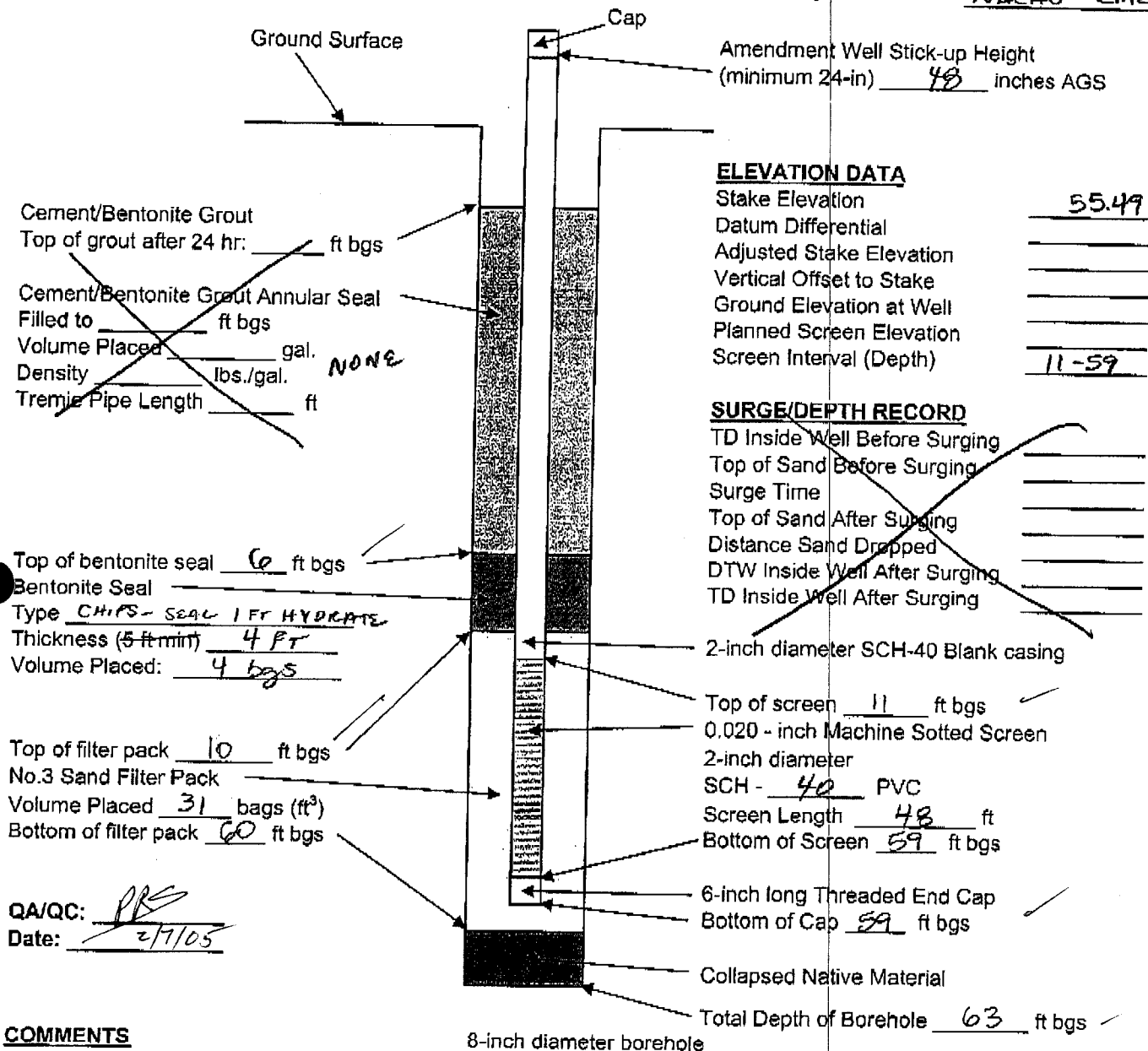
Well ID: VMW-4  
 Start Date/Time: 2-3-05 08:30  
 Finish Date/Time: 2-3-05 10:40  
 Driller/Rig: NACHO CM895



**HALEY &  
ALDRICH**

**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: VMW-05  
 Start Date/Time: 2-3-05 11:00  
 Finish Date/Time: 2-3-05 13:00  
 Driller/Rig: NACHO CMESG

**ELEVATION DATA**

Stake Elevation 55.49  
 Datum Differential \_\_\_\_\_  
 Adjusted Stake Elevation \_\_\_\_\_  
 Vertical Offset to Stake \_\_\_\_\_  
 Ground Elevation at Well \_\_\_\_\_  
 Planned Screen Elevation \_\_\_\_\_  
 Screen Interval (Depth) 11-59

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging \_\_\_\_\_  
 Top of Sand Before Surging \_\_\_\_\_  
 Surge Time \_\_\_\_\_  
 Top of Sand After Surging \_\_\_\_\_  
 Distance Sand Dropped \_\_\_\_\_  
 DTW Inside Well After Surging \_\_\_\_\_  
 TD Inside Well After Surging \_\_\_\_\_

**COMMENTS**

**HALEY &  
ALDRICH**

**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: VMW-6  
 Start Date/Time: 2-3-05 1500  
 Finish Date/Time: 2-3-05 1645  
 Driller/Rig: JORGE CME95

Ground Surface  
 Cement/Bentonite Grout  
 Top of grout after 24 hr: \_\_\_\_\_ ft bgs  
 Cement/Bentonite Grout Annular Seal  
 Filled to \_\_\_\_\_ ft bgs  
 Volume Placed \_\_\_\_\_ gal. NONE  
 Density \_\_\_\_\_ lbs./gal.  
 Tremie Pipe Length \_\_\_\_\_ ft

Amendment Well Stick-up Height  
 (minimum 24-in) 310 inches AGS

**ELEVATION DATA**

Stake Elevation 55.54 ✓  
 Datum Differential \_\_\_\_\_  
 Adjusted Stake Elevation \_\_\_\_\_  
 Vertical Offset to Stake \_\_\_\_\_  
 Ground Elevation at Well \_\_\_\_\_  
 Planned Screen Elevation \_\_\_\_\_  
 Screen Interval (Depth) 11-59

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging \_\_\_\_\_  
 Top of Sand Before Surging \_\_\_\_\_  
 Surge Time \_\_\_\_\_  
 Top of Sand After Surging \_\_\_\_\_  
 Distance Sand Dropped \_\_\_\_\_  
 DTW Inside Well After Surging \_\_\_\_\_  
 TD Inside Well After Surging \_\_\_\_\_

Top of bentonite seal 6 ft bgs  
 Bentonite Seal  
 Type CHIPS - HYDRATE EACH 1 FT / 5 MIN  
 Thickness (5-ft min) 4 FT  
 Volume Placed: \_\_\_\_\_

Top of filter pack 10 ft bgs  
 No.3 Sand Filter Pack  
 Volume Placed 26 bags (ft³)  
 Bottom of filter pack 60 ft bgs

QA/QC: PR  
 Date: 2/7/05

2-inch diameter SCH-40 Blank casing

Top of screen 11 ft bgs  
 0.020 - inch Machine Sotted Screen

2-inch diameter  
 SCH - 40 PVC  
 Screen Length 48 ft  
 Bottom of Screen 59 ft bgs ✓

6-inch long Threaded End Cap  
 Bottom of Cap 59 ft bgs ✓

Collapsed Native Material

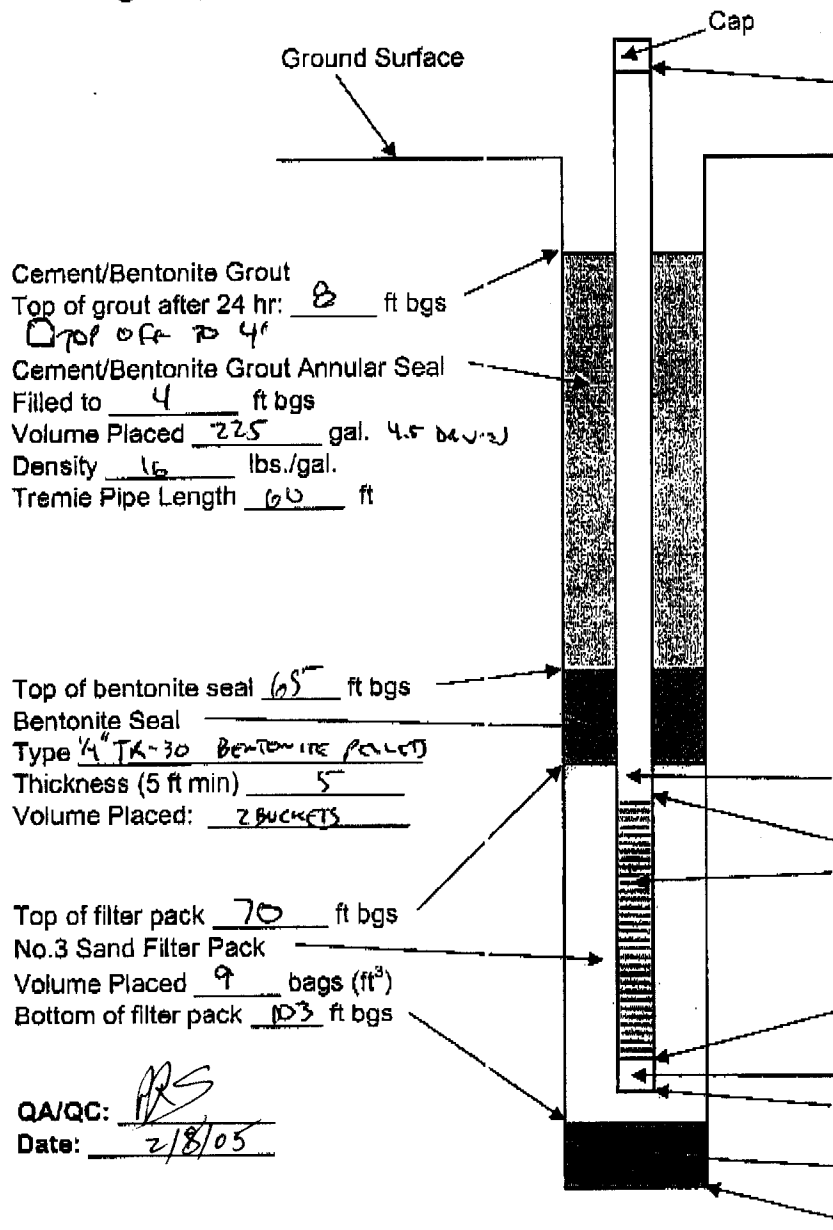
Total Depth of Borehole 61 ft bgs

10 8-inch diameter borehole

**COMMENTS**

**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AW0022B  
 Start Date/Time: M2/7/05 13:0  
 Finish Date/Time: M2/7/05  
 Driller/Rig: ① JORGE GUTIERREZ  
CNE-75



**ELEVATION DATA**

Stake Elevation	55.44
Datum Differential	
Adjusted Stake Elevation	
Vertical Offset to Stake	
Ground Elevation at Well	55.44
Planned Screen Elevation	-16 to -46
Screen Interval (Depth)	71.5 to 101.5

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging	100 TOL
Top of Sand Before Surging	68
Surge Time	15 min
Top of Sand After Surging	70
Distance Sand Dropped	2
DTW Inside Well After Surging	
TD Inside Well After Surging	98 TOL

TOL - Ground 3'

QA/QC: RS  
 Date: 2/8/05

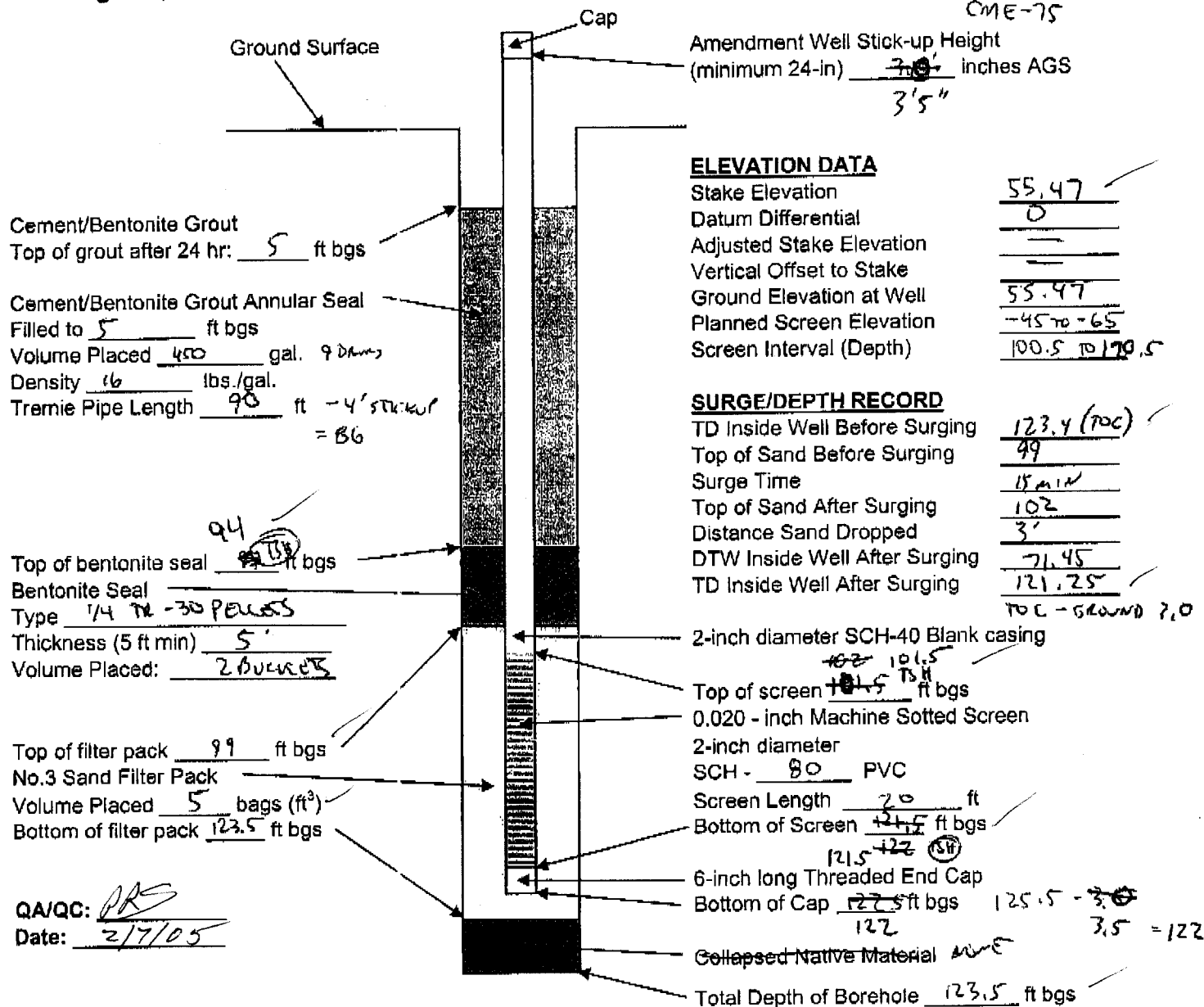
**COMMENTS**

8-inch diameter borehole  
 TV 2/8/05 8:15 DTW 71.1 - 3.0 = 68.1  
 TD 93.9 - 3.0 = 90.9 ☐ WELL HAS SEDIMENT IN IT  
 MEASURING TIME IS WARM - GROUT COLD



**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AW0022C  
 Start Date/Time: F 2/4/05 15:45  
 Finish Date/Time: SA 2/5/05 13:00  
 Driller/Rig: (2) IGNACIO GUTIERREZ  
CME-75

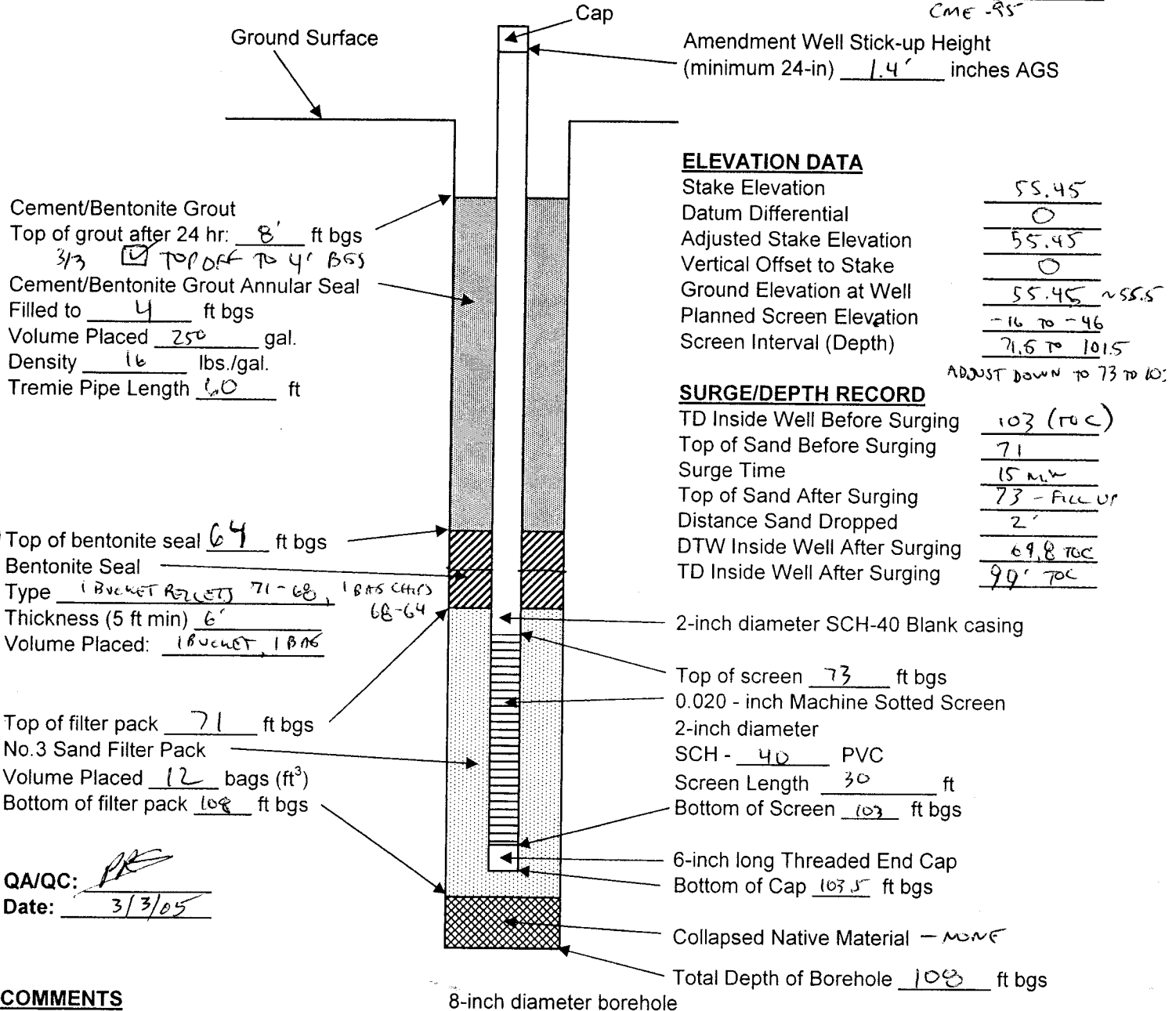


**COMMENTS**

TO 2/3/05 DTW 71.5 (TOC) - 3.5 = 68.0  
 TD 121.15 (TOC) - 3.5 = 118.65

**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

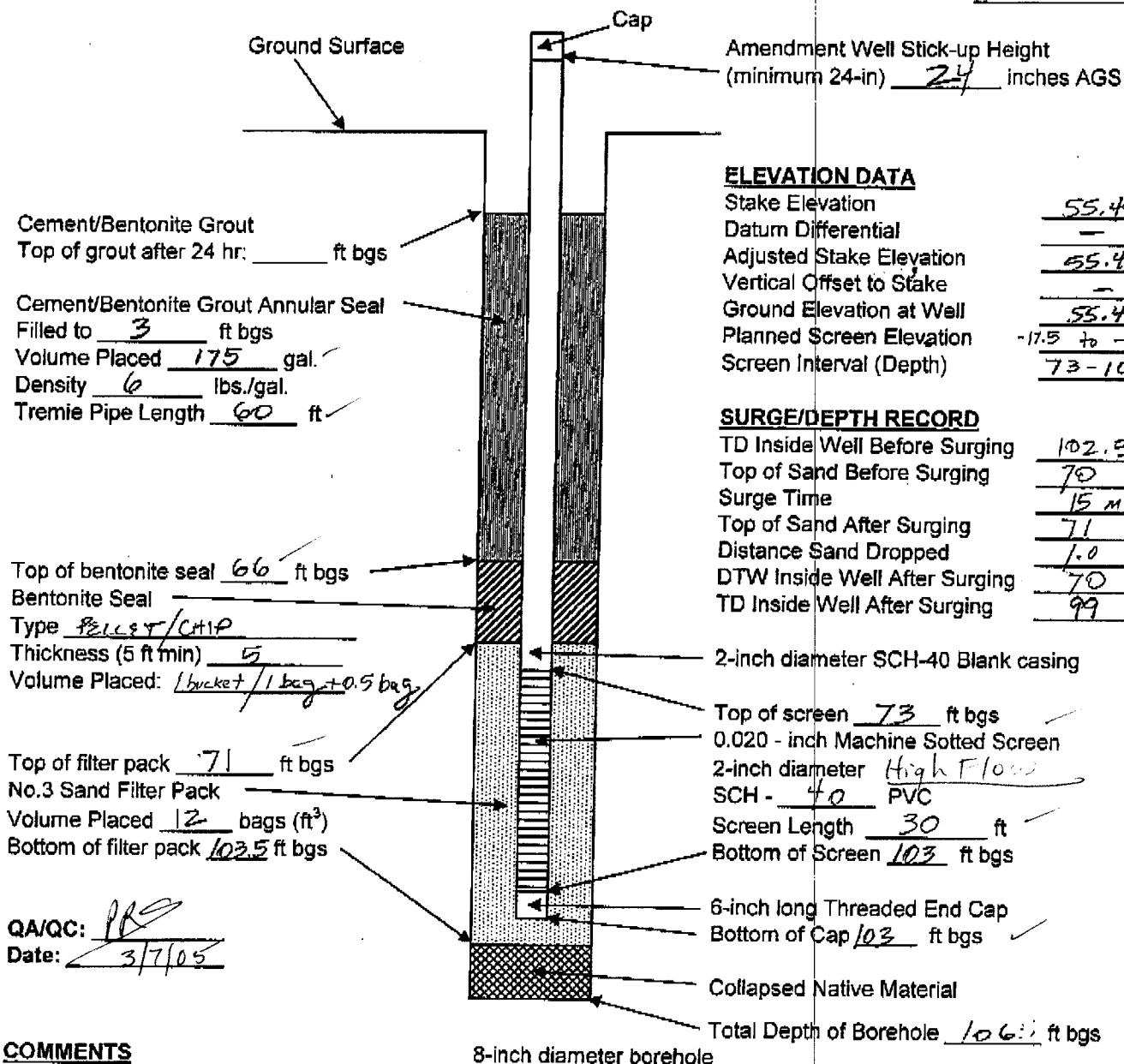
Well ID: AW0035B  
 Start Date/Time: W 3/2/05 8:00  
 Finish Date/Time: W 3/2/05 1125  
 Driller/Rig: ① STEVE HUSTON  
CME-RS



**HALEY &  
ALDRICH**

**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

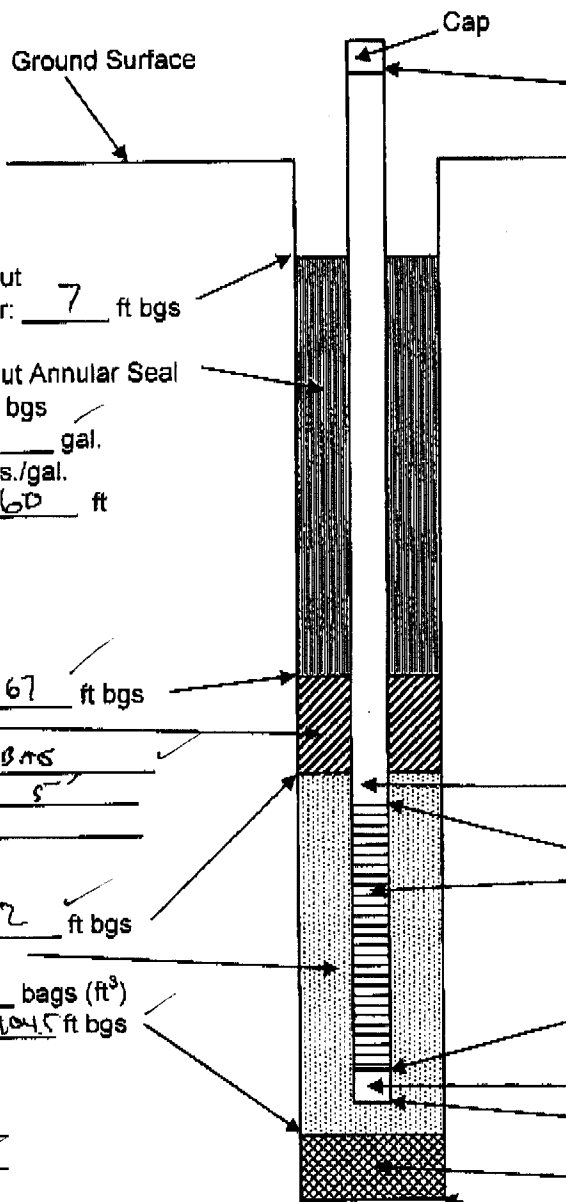
Well ID: AW0036B  
 Start Date/Time: 1055 3-4-05  
 Finish Date/Time: 1645 3-4-05  
 Driller/Rig: STEVE-CMC 95



**COMMENTS**

**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AW00388  
 Start Date/Time: M 3/7/05 1145  
 Finish Date/Time: M 3/7/05 1530  
 Driller/Rig: STEVE HUSTON  
Travis's Hammond CME-95  
 Amendment Well Stick-up Height  
 (minimum 24-in) 6.2 inches AGS



Cement/Bentonite Grout  
 Top of grout after 24 hr: 7 ft bgs

Cement/Bentonite Grout Annular Seal  
 Filled to 0 ft bgs  
 Volume Placed 210 gal.  
 Density 16 lbs./gal.  
 Tremie Pipe Length 60 ft

Top of bentonite seal 67 ft bgs  
 Bentonite Seal  
 Type 1 bucket / 1 bag  
 Thickness (5 ft min) 5  
 Volume Placed: \_\_\_\_\_

Top of filter pack 72 ft bgs  
 No.3 Sand Filter Pack  
 Volume Placed 12 bags (ft³)  
 Bottom of filter pack 104.5 ft bgs

QA/QC: PR  
 Date: 3/10/05

**ELEVATION DATA**

Stake Elevation	<u>55.44</u>
Datum Differential	<u>0</u>
Adjusted Stake Elevation	<u>55.44</u>
Vertical Offset to Stake	<u>0</u>
Ground Elevation at Well	<u>55.44</u>
Planned Screen Elevation	<u>-16.50 - 46</u>
Screen Interval (Depth)	<u>71.5 - 95</u> 101.5
	Adjust 95 to 73-90

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging	<u>109 (roc)</u>
Top of Sand Before Surging	<u>71</u>
Surge Time	<u>15 min</u>
Top of Sand After Surging	<u>72</u> Add Sand
Distance Sand Dropped	<u>1</u>
DTW Inside Well After Surging	_____
TD Inside Well After Surging	<u>108.7 (roc)</u>

2-inch diameter SCH-40 Blank casing  
 Top of screen 74 ft bgs  
 0.020 - inch Machine Sotted Screen  
 2-inch diameter  
 SCH - 40 PVC High Flow Screen  
 Screen Length 30 ft  
 Bottom of Screen 104 ft bgs  
 6-inch long Threaded End Cap  
 Bottom of Cap 104.5 ft bgs  
 Collapsed Native Material 104.5 - 107  
 Total Depth of Borehole 107 ft bgs

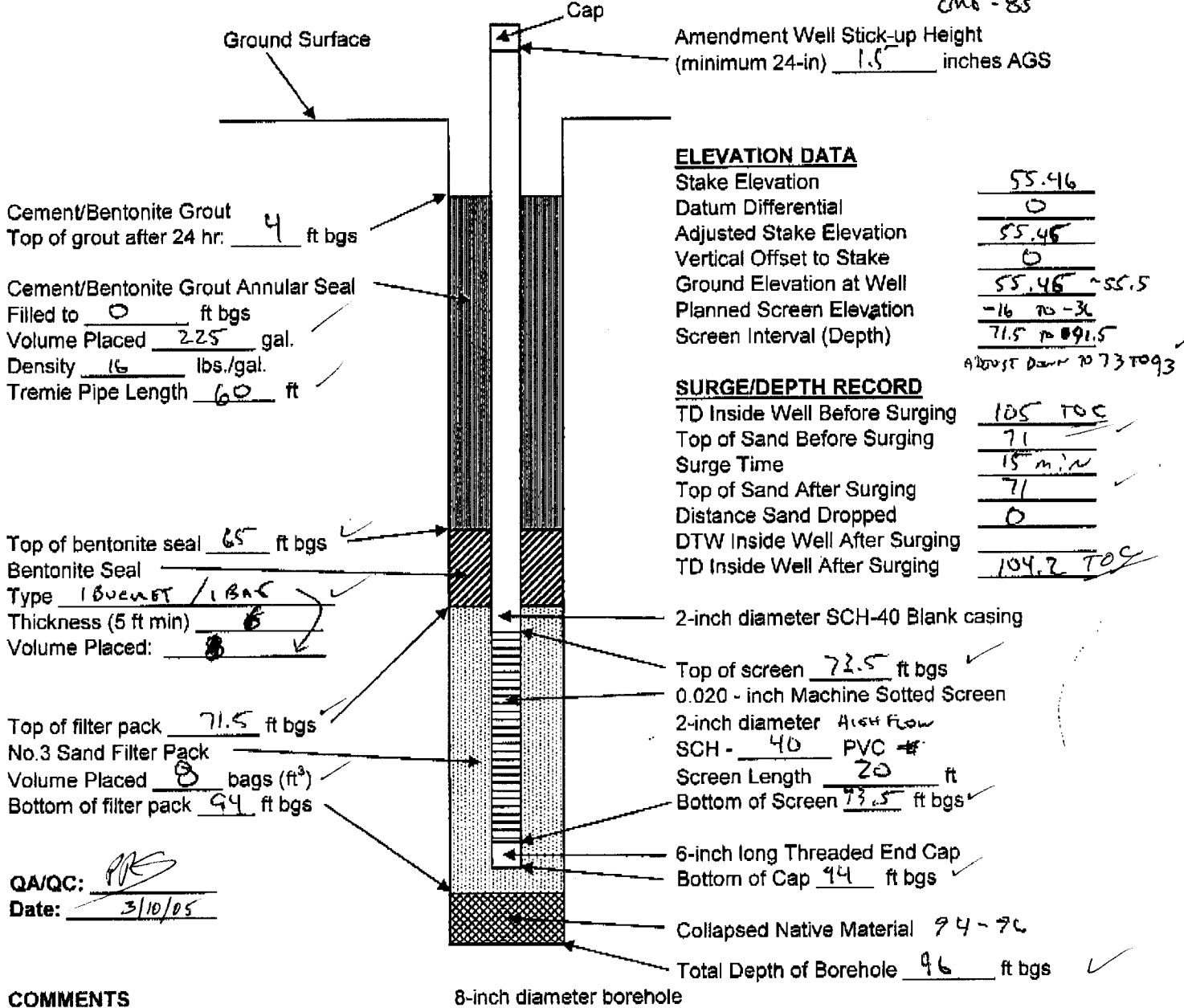
**COMMENTS**

8-inch diameter borehole

**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AW0039UB  
 Start Date/Time: SA 3/5/05 1315  
 Finish Date/Time: M 3/7/05 1000  
 Driller/Rig: ① STEVE HUSTON  
CME-85

T. Hammond



**COMMENTS**

**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AW0047B  
 Start Date/Time: SA 3/5/05 12:30  
 Finish Date/Time: M 3/7/05 11:30  
 Driller/Rig: ③ Paul ALMAN 21  
Geo = Paul Sones CME-88  
 Amendment Well Stick-up Height  
 (minimum 24-in) 1.5 inches AGS

Ground Surface

Cement/Bentonite Grout  
 Top of grout after 24 hr: 4 ft bgs

Cement/Bentonite Grout Annular Seal  
 Filled to: 3 ft bgs  
 Volume Placed: 200 gal. ✓  
 Density = 16 lbs./gal. ✓  
 Tremie Pipe Length: 60 ft

Top of bentonite seal 66 ft bgs  
 Bentonite Seal  
 Type: 1/4" x 1/2" - 30 PELLETS  
 Thickness (5 ft min): 5  
 Volume Placed: 200 LBS

Top of filter pack 71 ft bgs  
 No.3 Sand Filter Pack  
 Volume Placed: 11.5 bags (ft³)  
 Bottom of filter pack 103.5 ft bgs

QA/QC: JKS  
 Date: 3/10/05

**ELEVATION DATA**

Staked Elevation: 55.37  
 Datum Differential: 0.00  
 Adjusted Staked Elevation: 55.37  
 Vertical Offset to Stake: 0.00  
 Ground Elev at Well: 55.37  
 Planned Screen Elevation: +16 TO -46  
 Screen Interval (Depth): 71.4 - 101.4

**SURGE/DEPTH RECORD**

Adjust 73 - 103 ✓  
 TD Inside Well Before Surging: 70 - 104 TOC  
 Top of Sand Before Surging: 70  
 Surge Time: 15 min  
 Top of Sand After Surging: 73  
 Distance Sand Dropped: 3' Add Sand  
 DTW Inside Well After Surging: 9'  
 TD Inside Well After Surging: 100 TOC

2-inch diameter SCH-40 Blank casing  
72.5 - 73  
 Top of screen 73 ft bgs  
 0.020 - inch Machine Sotted Screen  
 2-inch diameter  
 SCH - 40 PVC H/4" x 1/2"  
 Length = 30 ft  
 Bottom of Screen 102.5 ft bgs  
103  
 6-inch long Threaded End Cap  
 Bottom of Cap 103.5 ft bgs  
103.5  
 Collapsed Native Material 103.5 - 107  
 Total Depth of Borehole 107 ft bgs ✓

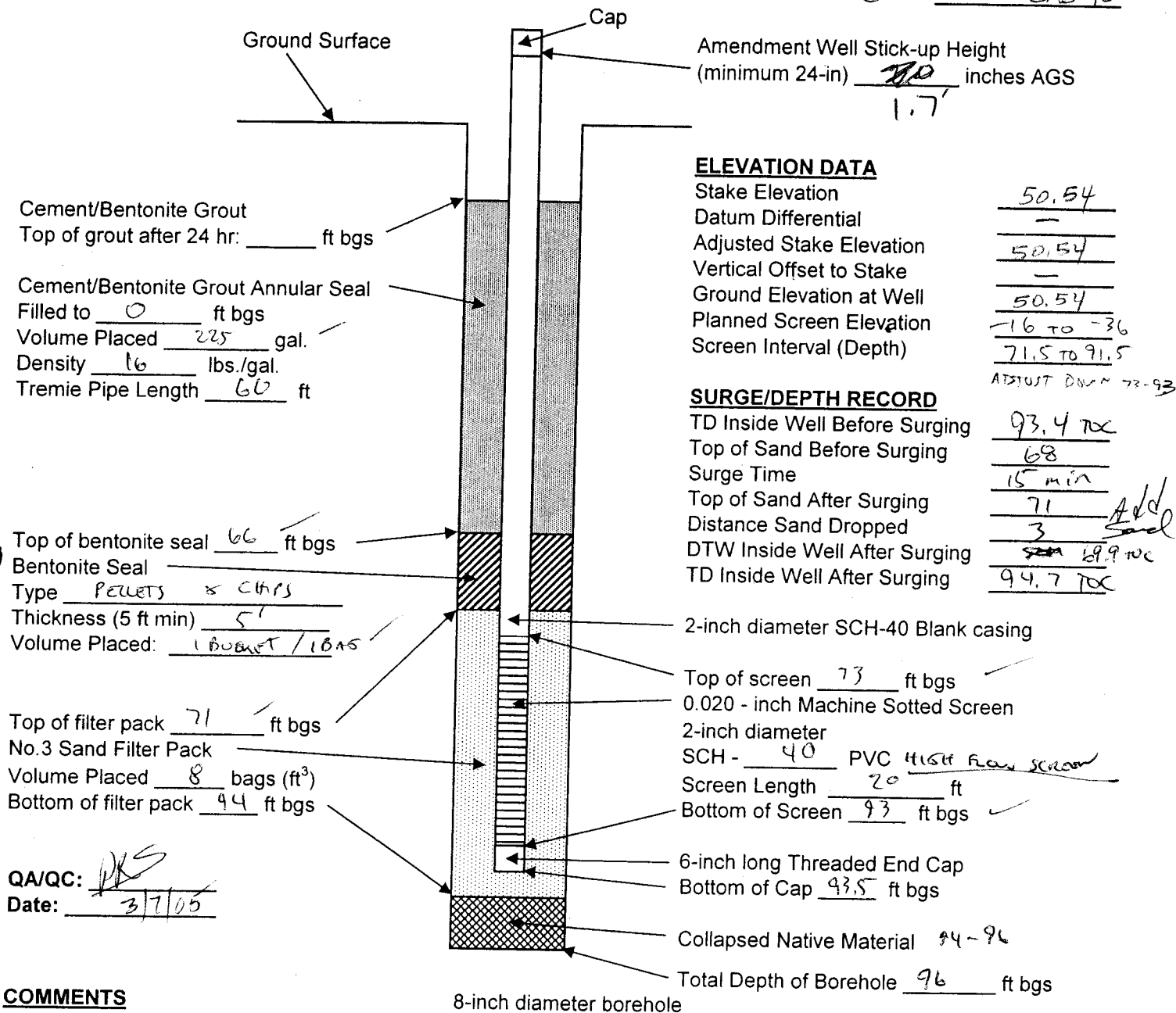
8-inch diameter borehole

**COMMENTS**



**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AW00484B  
Start Date/Time: F 3-4-05 1530  
Finish Date/Time: SA 3/5/05 930  
Driller/Rig: ① STEFANOW - CME-95



**COMMENTS**

QA/QC: PKS  
Date: 3/7/05



**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AW0057UB  
Start Date/Time: Th 3/3/05 9:15  
Finish Date/Time: ☐ Th 3/3/05  
Driller/Rig: ① Steve Huxton  
CME - 95

Amendment Well Stick-up Height  
(minimum 24-in) 2.0 inches AGS

**ELEVATION DATA**

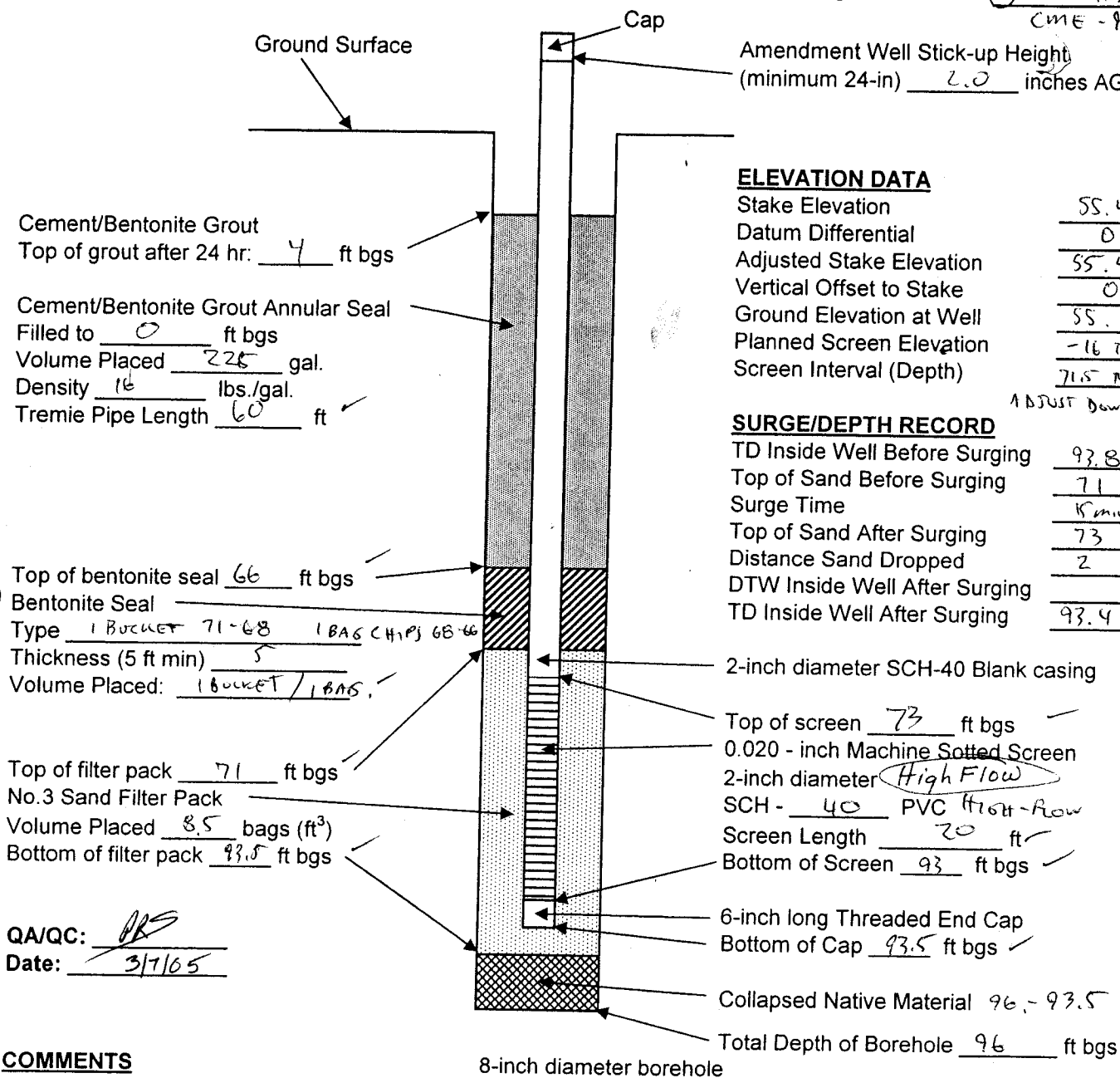
Stake Elevation	<u>55.48</u>
Datum Differential	<u>0</u>
Adjusted Stake Elevation	<u>55.48</u>
Vertical Offset to Stake	<u>0</u>
Ground Elevation at Well	<u>55.48</u>
Planned Screen Elevation	<u>-16 to -36</u>
Screen Interval (Depth)	<u>71.5 to 91.5</u>

ADJUST down 73-93

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging	<u>93.8 TOC</u>
Top of Sand Before Surging	<u>71</u> ✓
Surge Time	<u>5 min</u>
Top of Sand After Surging	<u>73</u> ✓
Distance Sand Dropped	<u>2</u> ✓
DTW Inside Well After Surging	
TD Inside Well After Surging	<u>93.4 TOC</u>

✓ Add Sand



QA/QC: AS  
Date: 3/7/05

**COMMENTS**



**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AW005B08  
 Start Date/Time: W 3/2/05 14:15  
 Finish Date/Time: Th 3/3/05 9:00  
 Driller/Rig: STEVE HUSTON  
CME-95

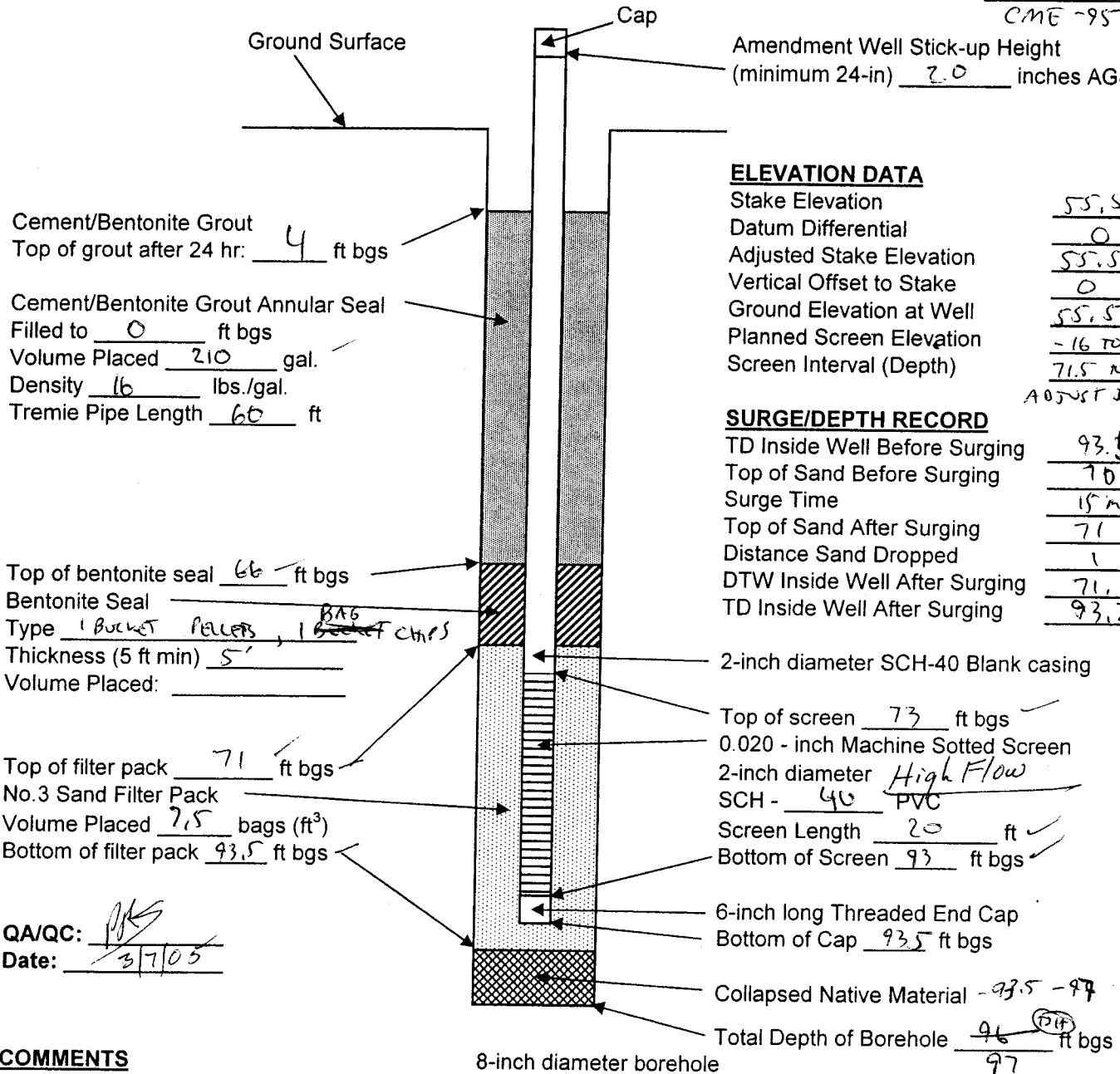
Amendment Well Stick-up Height  
 (minimum 24-in) 20 inches AGS

**ELEVATION DATA**

Stake Elevation 55.53  
 Datum Differential 0  
 Adjusted Stake Elevation 55.53  
 Vertical Offset to Stake 0  
 Ground Elevation at Well 55.53  
 Planned Screen Elevation -16 TO -76  
 Screen Interval (Depth) 71.5 to 91.5 ✓  
 ADJUST DOWN 73-93 ✓

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging 93.5 TOC  
 Top of Sand Before Surging 70  
 Surge Time 15 min  
 Top of Sand After Surging 71 Add Sand  
 Distance Sand Dropped 1  
 DTW Inside Well After Surging 71.8 TOC  
 TD Inside Well After Surging 93.2 TOC ✓



Cement/Bentonite Grout  
 Top of grout after 24 hr: 4 ft bgs

Cement/Bentonite Grout Annular Seal  
 Filled to 0 ft bgs  
 Volume Placed 210 gal.  
 Density 16 lbs./gal.  
 Tremie Pipe Length 60 ft

Top of bentonite seal 66 ft bgs  
 Bentonite Seal  
 Type 1 Bucket Pellets, 1 Bag of chips  
 Thickness (5 ft min) 5  
 Volume Placed: \_\_\_\_\_

Top of filter pack 71 ft bgs  
 No.3 Sand Filter Pack  
 Volume Placed 7.5 bags (ft³)  
 Bottom of filter pack 93.5 ft bgs

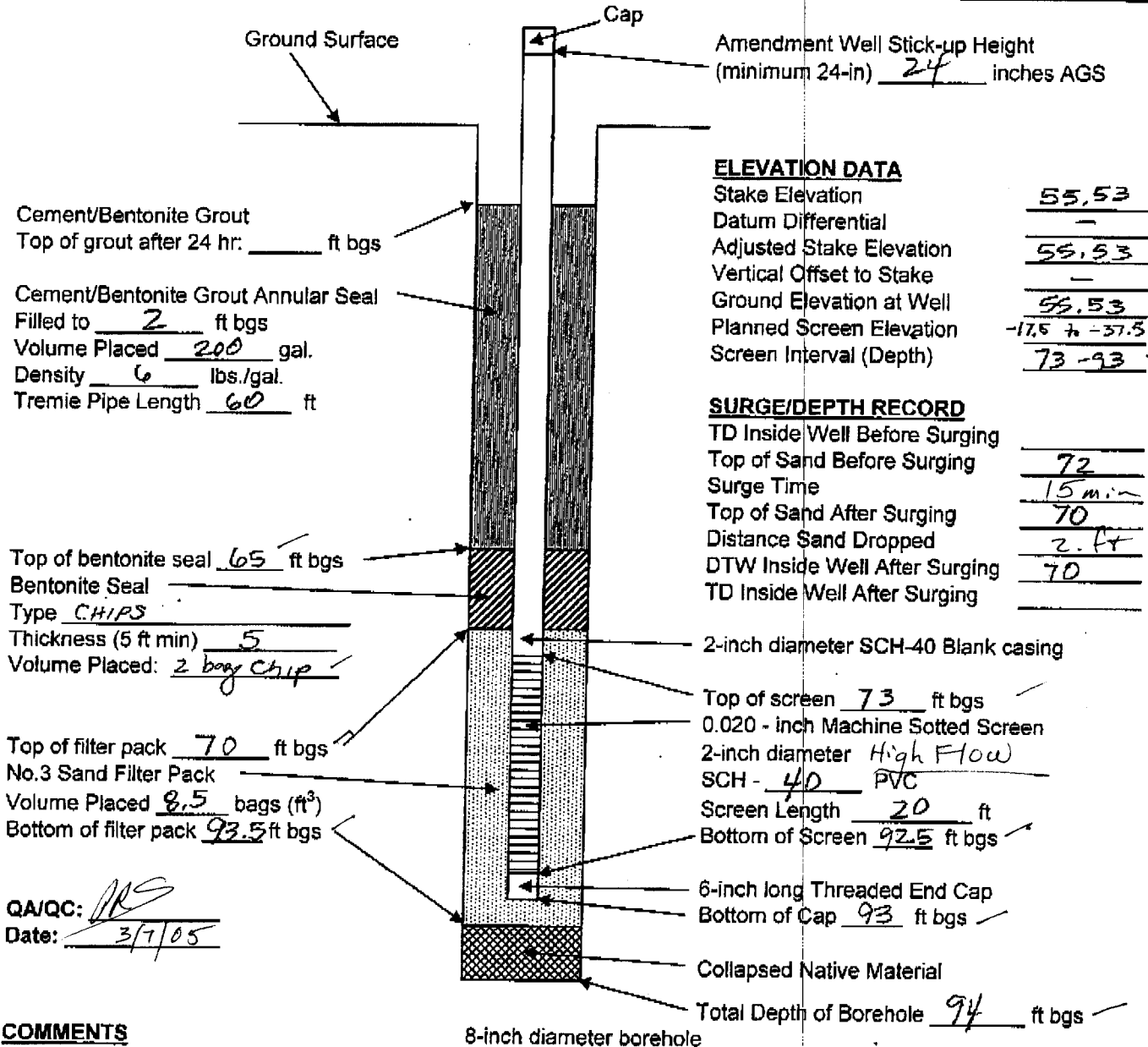
QA/QC: PKS  
 Date: 3/7/05

**COMMENTS**



**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AW0068UB  
 Start Date/Time: 11:50 3-4-05  
 Finish Date/Time: 17:20 3-4-05  
 Driller/Rig: PAUL - CMEBS

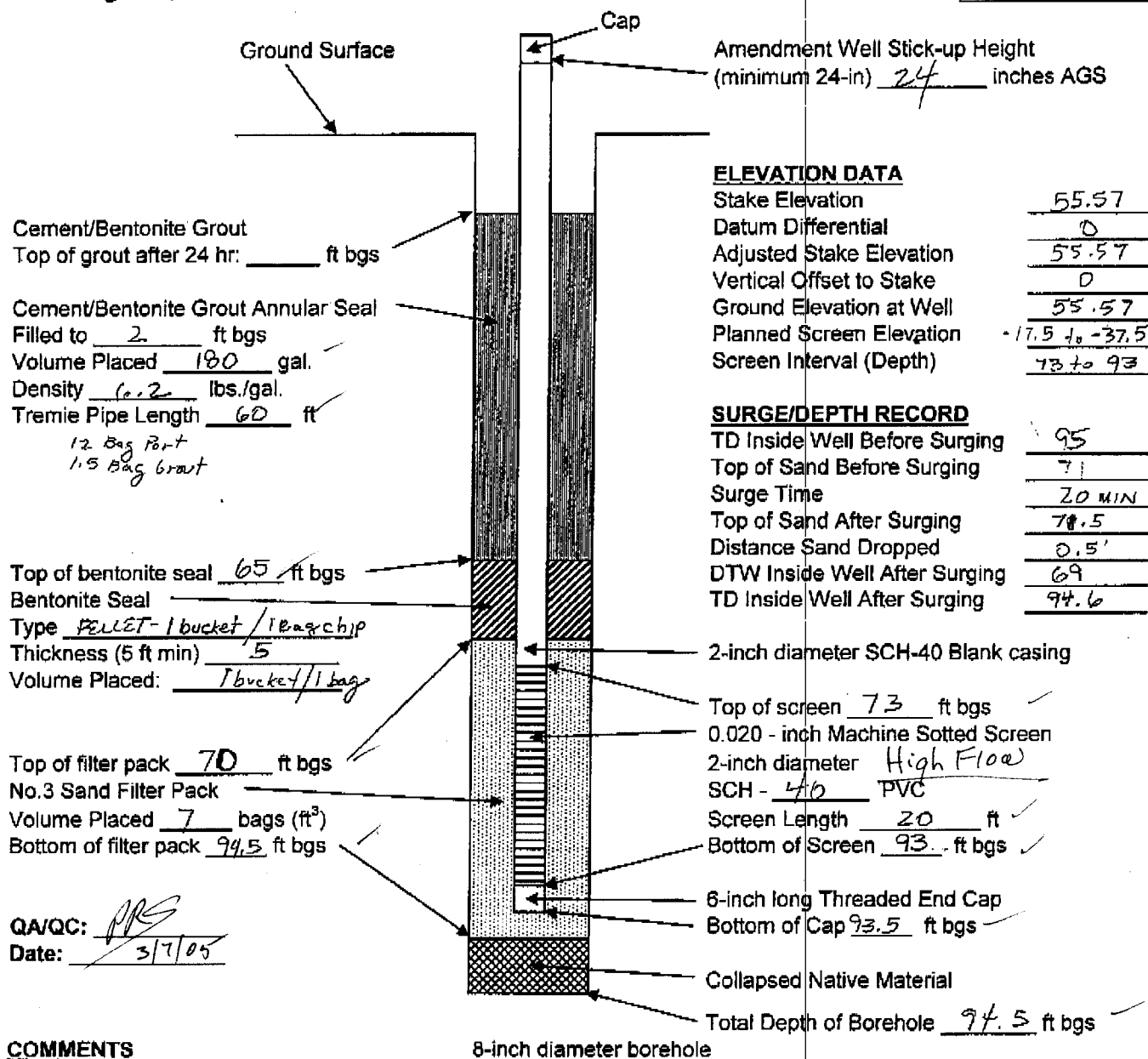


**COMMENTS**

**HALEY &  
ALDRICH**

**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

**Well ID:** AW0069UB  
**Start Date/Time:** 0730 3-4-05  
**Finish Date/Time:** 1040 3-4-05  
**Driller/Rig:** STEVE - CME 15



**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AW0078UB  
 Start Date/Time: 2-9-05 12:00 PM  
 Finish Date/Time: 2-17-05 15:11  
 Driller/Rig: WDC - Forkley

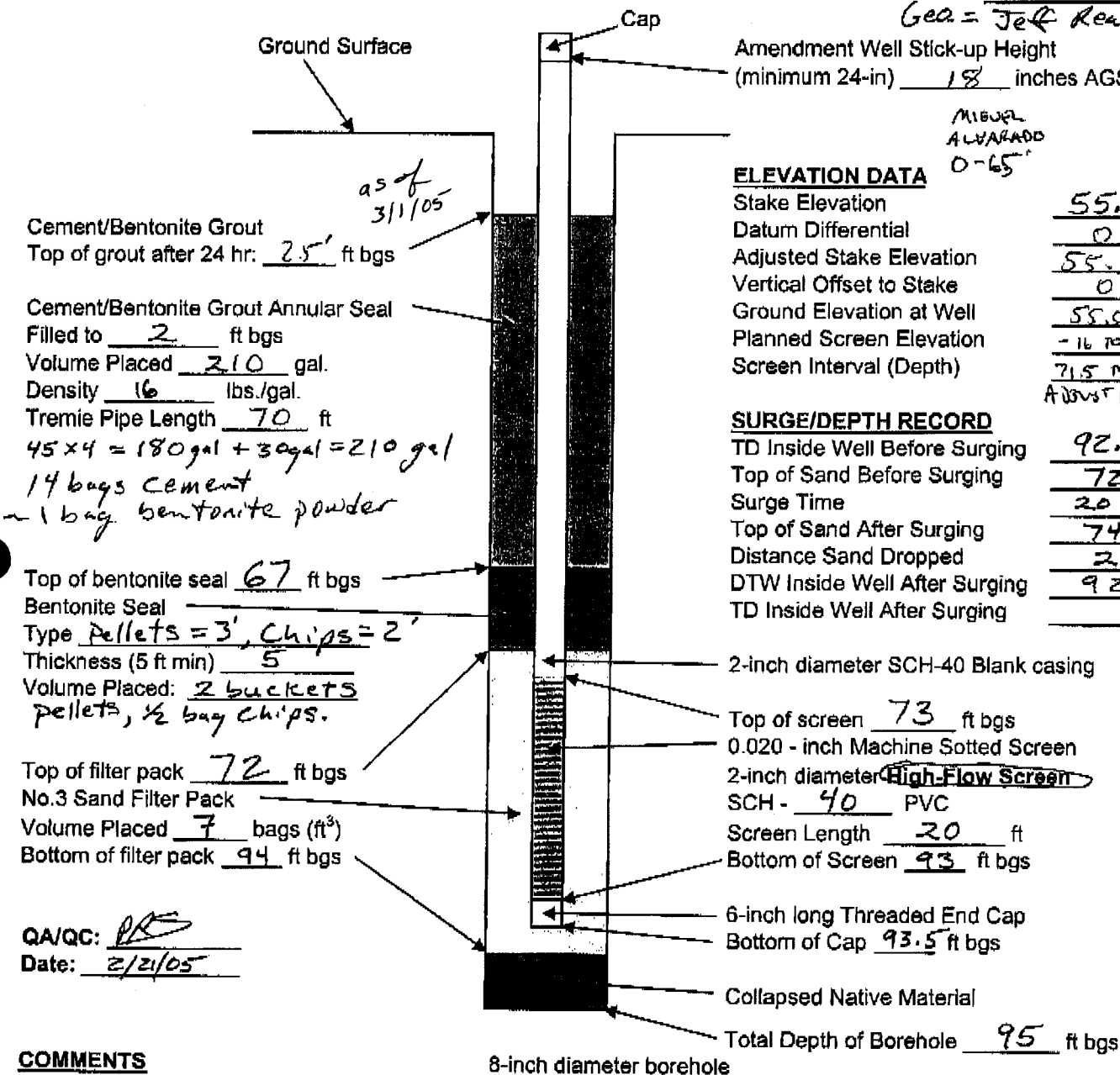
Geo = Jeff Reardon  
 MIBUEL ALVARADO 0-65'  
 JUDGE GUTIERREZ CME-75

**ELEVATION DATA**

Stake Elevation 55.51  
 Datum Differential 0  
 Adjusted Stake Elevation 55.51  
 Vertical Offset to Stake 0  
 Ground Elevation at Well 55.51  
 Planned Screen Elevation -16.70 - 36  
 Screen Interval (Depth) 71.5 to 91.5  
 Adjust Down 73-93

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging 92.5'  
 Top of Sand Before Surging 72'  
 Surge Time 20 min.  
 Top of Sand After Surging 74'  
 Distance Sand Dropped 2' Add S.  
 DTW Inside Well After Surging 92.5  
 TD Inside Well After Surging 92.5



QA/QC: PR  
 Date: 2/21/05

**COMMENTS**

Due to bridging of bentonite seal chips - initial well casing was pulled and well borehole reamed to 95' bgs. Piece of wood plug in Auger caused bridge to form. After grouting DTW = 68.3', Depth to bottom = 92'  $\Rightarrow$  1.5' of silt in bottom.



**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AW0079 UB  
Start Date/Time: W 3/2/05 11:15  
Finish Date/Time: Th 3/3/05 11:00  
Driller/Rig: (2) GILBERT MARTINEZ  
D&R SERVICES LAR L-10-

Amendment Well Stick-up Height  
(minimum 24-in) 2.1 inches AGS

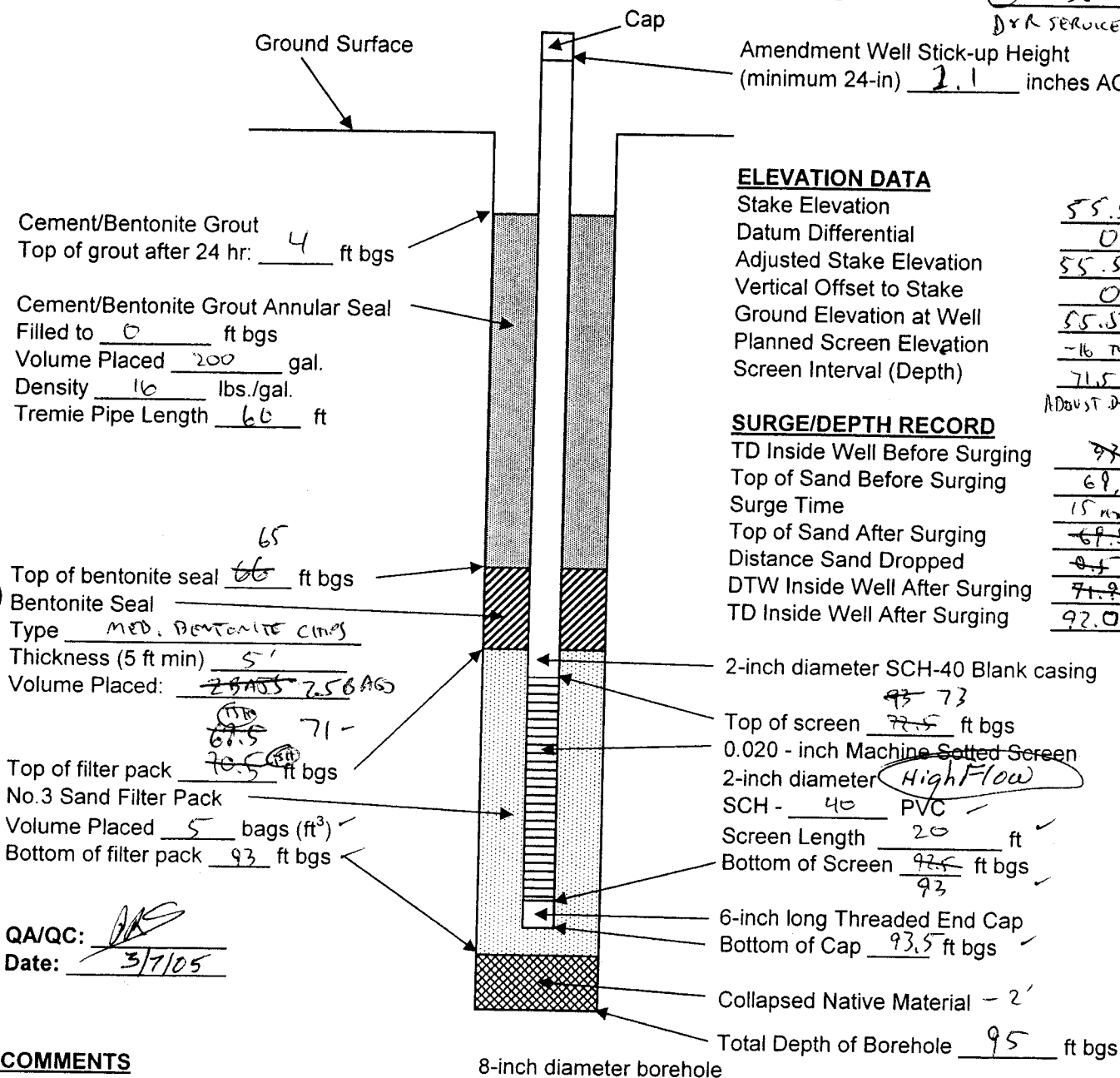
**ELEVATION DATA**

Stake Elevation 55.50  
Datum Differential 0  
Adjusted Stake Elevation 55.50  
Vertical Offset to Stake 0  
Ground Elevation at Well 55.50  
Planned Screen Elevation -16 TO -36  
Screen Interval (Depth) 71.5 TO 91.5

ADJUST DOWN 73 TO 9

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging 93.8 TOC 94.1  
Top of Sand Before Surging 69.5  
Surge Time 15 min  
Top of Sand After Surging 69.5 74 Add Sand  
Distance Sand Dropped 0.5 4.5  
DTW Inside Well After Surging 71.9 TOC 71.17  
TD Inside Well After Surging 92.0 TOC



QA/QC: [Signature]  
Date: 3/7/05

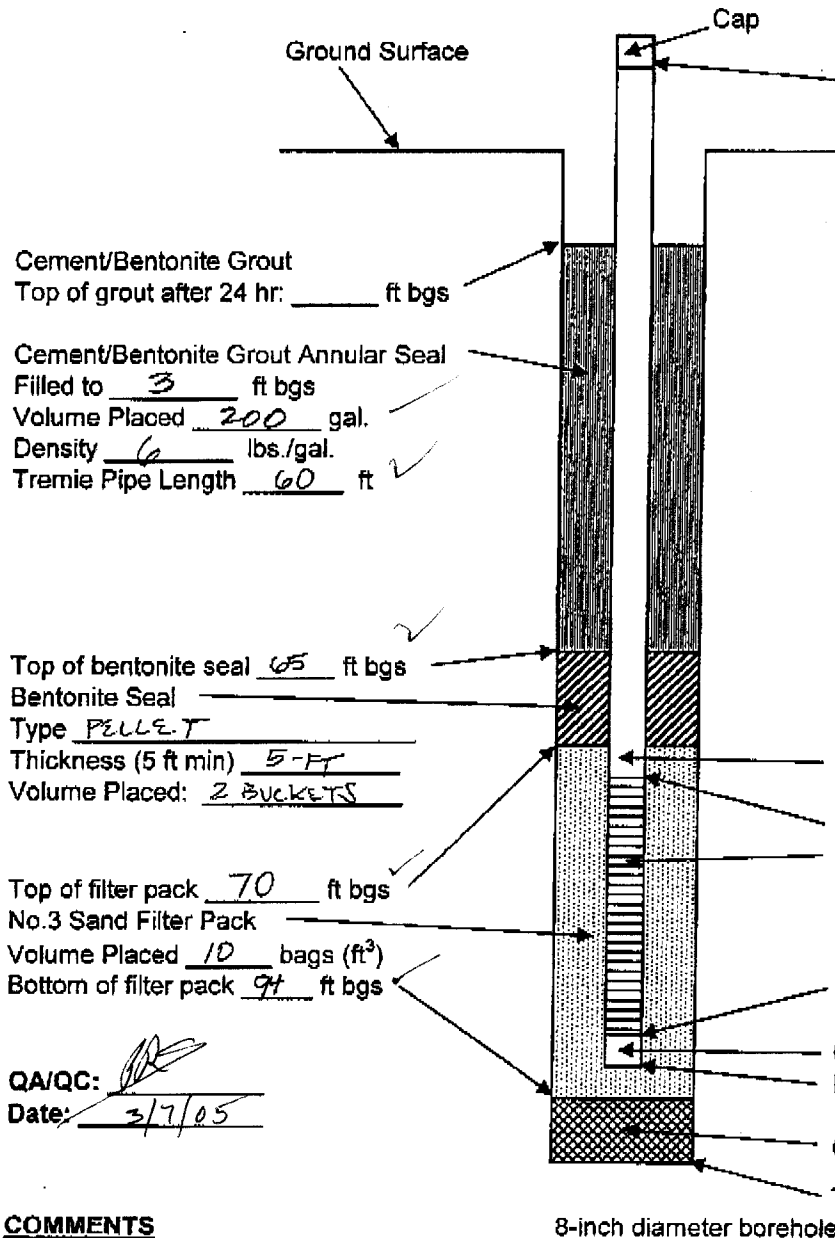
**COMMENTS**



**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AW008008  
 Start Date/Time: TH 3/3/05 11:20  
 Finish Date/Time: 11:30 3-4-05  
 Driller/Rig: 0-65' ② GILBERTO MARTINEZ (L)  
65-70 PAUL - CME - BS

Amendment Well Stick-up Height  
 (minimum 24-in) 24 inches AGS



**ELEVATION DATA**

Stake Elevation	<u>55.54</u>
Datum Differential	<u>0</u>
Adjusted Stake Elevation	<u>55.54</u>
Vertical Offset to Stake	<u>0</u>
Ground Elevation at Well	<u>55.54</u>
Planned Screen Elevation	<u>-16 TO -36</u>
Screen Interval (Depth)	<u>71.5 TO 91.5</u>
ADJUST DOWN TO 73-93L	

**SURGE/DEPTH RECORD**

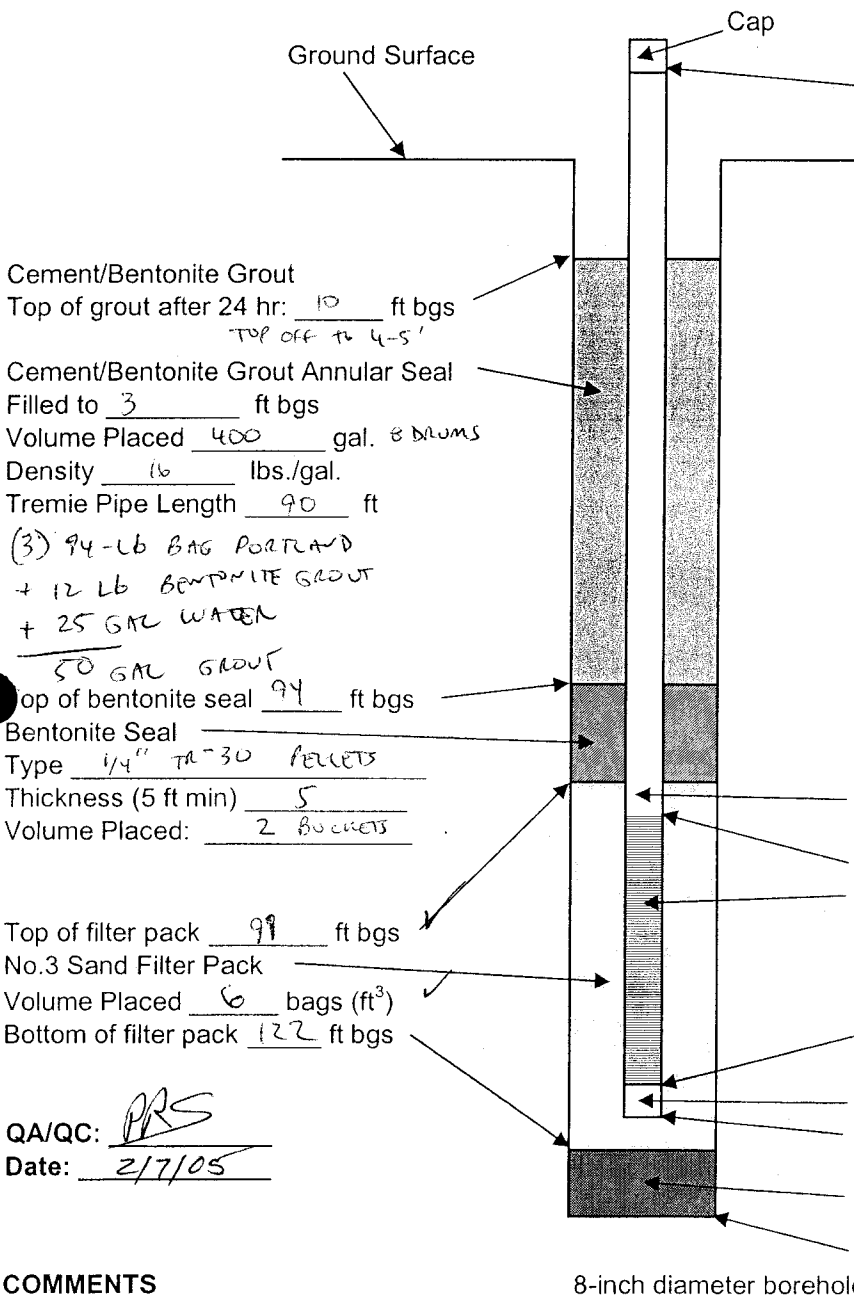
TD Inside Well Before Surging	<u>93</u> ✓
Top of Sand Before Surging	<u>70</u>
Surge Time	<u>20 MIN</u>
Top of Sand After Surging	<u>70.5</u>
Distance Sand Dropped	<u>0.5</u> Add sand
DTW Inside Well After Surging	<u>60</u>
TD Inside Well After Surging	<u>92.5</u> ✓

**COMMENTS**



**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AW0088C  
Start Date/Time: F 2/4/05 8:00  
Finish Date/Time: F 2/4/05 15:30  
Driller/Rig: (2) IGNACIO GUTIERREZ  
CME-75



Amendment Well Stick-up Height  
(minimum 24-in) 3.5' inches AGS

**ELEVATION DATA**

Stake Elevation	<u>55.52</u> ✓
Datum Differential	<u>0</u>
Adjusted Stake Elevation	<u>55.52</u>
Vertical Offset to Stake	<u>0</u>
Ground Elevation at Well	<u>55.52</u>
Planned Screen Elevation	<u>-4.5' to -6.5'</u> ✓
Screen Interval (Depth)	<u>100.5' to 120.5'</u> ✓

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging	<u>(TOC) 123.9</u>
Top of Sand Before Surging	<u>99</u> ✓
Surge Time	<u>15 min</u>
Top of Sand After Surging	<u>102</u> ✓
Distance Sand Dropped	<u>3</u> ✓
DTW Inside Well After Surging	<u>71.91 TOC</u> ✓
TD Inside Well After Surging	<u>123.15 TOC</u> ✓
TOC - GROUND = <u>0.34</u> ✓	
<u>3.40</u> ✓	

2-inch diameter SCH-40 Blank casing  
Top of screen 101 TS4 ft bgs ✓  
0.020 - inch Machine Sotted Screen  
2-inch diameter  
SCH - 80 PVC  
Screen Length 20 ft ✓  
Bottom of Screen 121.0 ft bgs ✓  
6-inch long Threaded End Cap  
Bottom of Cap 121.5 ft bgs ✓  
Collapsed Native Material NONE ✓  
Total Depth of Borehole 122 ft bgs

**COMMENTS**

**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AW0089B  
 Start Date/Time: Th 2-10-05 0800  
 Finish Date/Time: Th 2-10-05 1300  
 Driller/Rig: ④ Paul Amanza  
CME 85

Amendment Well Stick-up Height  
 (minimum 24-in) 124 inches AGS

**ELEVATION DATA**

Stake Elevation 55.51  
 Datum Differential         
 Adjusted Stake Elevation         
 Vertical Offset to Stake         
 Ground Elevation at Well 55.51  
 Planned Screen Elevation -16 to -46  
 Screen Interval (Depth) 71.5 to 101.5

ADJUST DOWN TO 73 TO 10.

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging 104.5  
 Top of Sand Before Surging 71  
 Surge Time 15 min  
 Top of Sand After Surging 74.5-71.5  
 Distance Sand Dropped 3 + 0.5  
 DTW Inside Well After Surging 69.89 (Toc)  
 TD Inside Well After Surging 104.24 (Toc)

Cement/Bentonite Grout  
 Top of grout after 24 hr:        ft bgs

Cement/Bentonite Grout Annular Seal  
 Filled to 4 ft bgs  
 Volume Placed 220 gal. (2 bags)  
 Density 14 lbs./gal.  
 Tremie Pipe Length 60 ft

Top of bentonite seal 65.5 ft bgs  
 Bentonite Seal  
 Type med chips  
 Thickness (5 ft min) 5  
 Volume Placed: 3 bags

Top of filter pack 71.5 ft bgs  
 No.3 Sand Filter Pack  
 Volume Placed 12 bags (ft<sup>3</sup>)  
 Bottom of filter pack 103.5 ft bgs

QA/QC: PKS  
 Date: 2/16/05

2-inch diameter SCH-40 Blank casing

Top of screen 73.5 ft bgs ✓  
 0.020 - inch Machine Sotted Screen  
 2-inch diameter  
 SCH - 40 PVC  
 Screen Length 30 ft ✓  
 Bottom of Screen 103 ft bgs ✓

6-inch long Threaded End Cap  
 Bottom of Cap 103.5 ft bgs ✓

Collapsed Native Material 2.5 107 - 103.5

Total Depth of Borehole 107 ft bgs

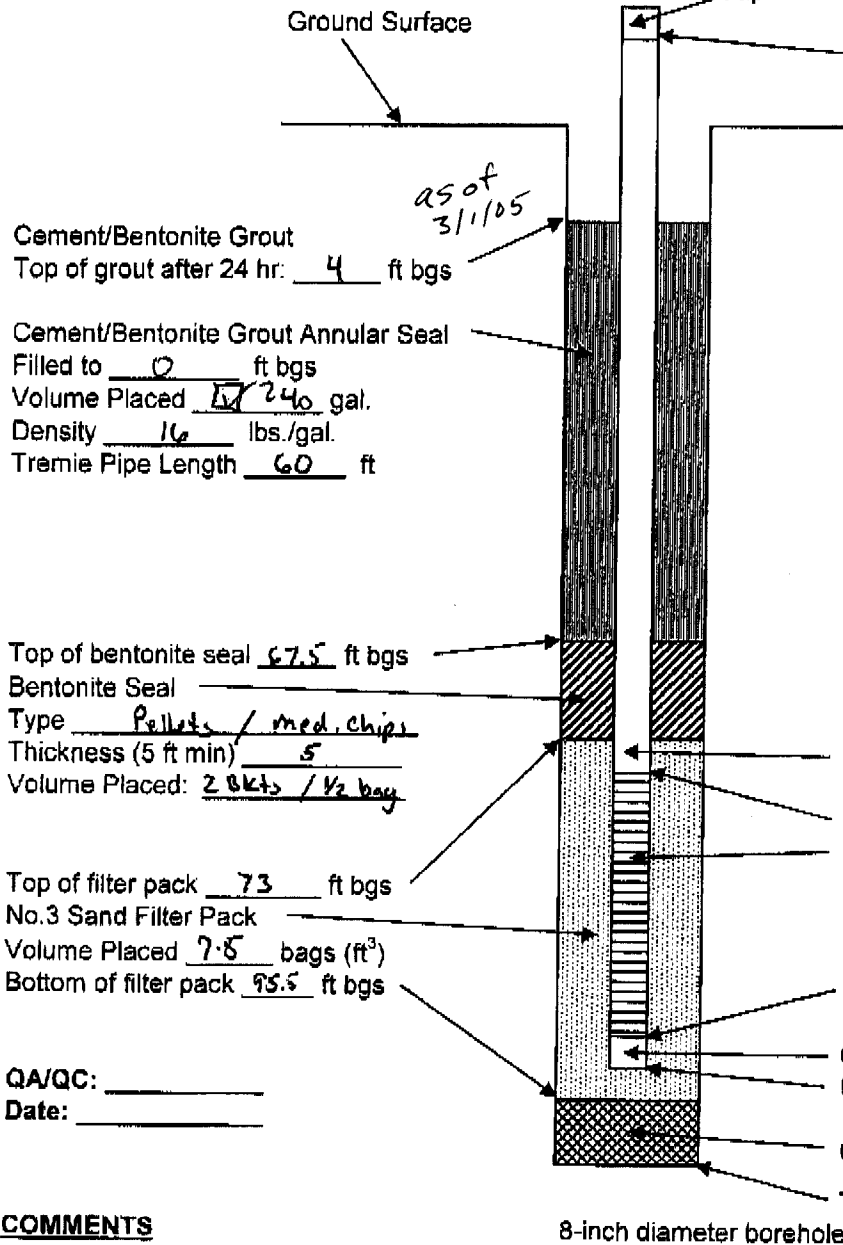
8-inch diameter borehole

**COMMENTS**



**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AW009008  
 Start Date/Time: Th 2-10-05 1340  
 Finish Date/Time: ✓ F2/11/05 1300  
 Driller/Rig: ④ Paul Amaza  
CME 85



Amendment Well Stick-up Height  
 (minimum 24-in) 58 inches AGS  
5.1'

**ELEVATION DATA**

Stake Elevation	<u>55.85</u>
Datum Differential	
Adjusted Stake Elevation	
Vertical Offset to Stake	
Ground Elevation at Well	<u>55.55</u>
Planned Screen Elevation	<u>-16.36</u>
Screen Interval (Depth)	<u>61.5-91.5</u>

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging	<u>97.87 (Toc)</u>
Top of Sand Before Surging	<u>76</u>
Surge Time	<u>15</u>
Top of Sand After Surging	<u>73</u>
Distance Sand Dropped	<u>3</u>
DTW Inside Well After Surging	<u>73.42 (Toc)</u>
TD Inside Well After Surging	<u>92.08 (Toc)</u>

Cement/Bentonite Grout  
 Top of grout after 24 hr: 4 ft bgs  
 Cement/Bentonite Grout Annular Seal  
 Filled to 0 ft bgs  
 Volume Placed ✓ 240 gal.  
 Density 16 lbs./gal.  
 Tremie Pipe Length 60 ft

Top of bentonite seal 67.5 ft bgs  
 Bentonite Seal  
 Type Pellets / med. chips  
 Thickness (5 ft min) 5  
 Volume Placed: 2 Bkts / 1/2 bag

Top of filter pack 73 ft bgs  
 No.3 Sand Filter Pack  
 Volume Placed 7.5 bags (ft³)  
 Bottom of filter pack 95.5 ft bgs

QA/QC: \_\_\_\_\_  
 Date: \_\_\_\_\_

2-inch diameter SCH-40 Blank casing  
 Top of screen 75 ft bgs  
 0.020 - inch Machine Sotted Screen  
 2-inch diameter  
 SCH - 40 PVC  
 Screen Length 20 ft  
 Bottom of Screen 95 ft bgs  
 6-inch long Threaded End Cap  
 Bottom of Cap 95.5 ft bgs  
 Collapsed Native Material  
 Total Depth of Borehole 98.5 ft bgs

**COMMENTS**

8-inch diameter borehole

**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AW0091UB  
 Start Date/Time: W 3/2/05 11:30 (78' AGS)  
 Finish Date/Time: W 3/2/05 1400 (12' AGS)  
 Driller/Rig: ① STEVE HUSTON  
CME -95

Ground Surface  
 Cap

Amendment Well Stick-up Height  
 (minimum 24-in) 2.0 inches AGS

Cement/Bentonite Grout  
 Top of grout after 24 hr: 11 ft bgs  
3/3 ☒ TOP OFF TO 4'  
 Cement/Bentonite Grout Annular Seal  
 Filled to 4 ft bgs  
 Volume Placed 200 gal.  
 Density 16 lbs./gal.  
 Tremie Pipe Length 60 ft

**ELEVATION DATA**

Stake Elevation	<u>55.5</u>
Datum Differential	<u>0</u>
Adjusted Stake Elevation	<u>55.5</u>
Vertical Offset to Stake	<u>0</u>
Ground Elevation at Well	<u>65.5</u>
Planned Screen Elevation	<u>-16 TO -36</u>
Screen Interval (Depth)	<u>71.5 TO 91.5</u>

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging	<u>94.6 (RC)</u>
Top of Sand Before Surging	<u>71</u>
Surge Time	<u>15 min</u>
Top of Sand After Surging	<u>73</u>
Distance Sand Dropped	<u>2</u>
DTW Inside Well After Surging	<u>NM</u>
TD Inside Well After Surging	<u>92.4 TOC</u>

ADJUST DOWN 73-93

Top of bentonite seal 66 ft bgs  
 Bentonite Seal  
 Type 1 BUCKET PELLETS 71-68 (BAG CHIPS)  
 Thickness (5 ft min) 5 68-66  
 Volume Placed: 2 FT<sup>3</sup>

Top of filter pack 71 ft bgs  
 No.3 Sand Filter Pack  
 Volume Placed 8 bags (ft<sup>3</sup>)  
 Bottom of filter pack 96 ft bgs

QA/QC: HS  
 Date: 3/3/05

2-inch diameter SCH-40 Blank casing

Top of screen 73 ft bgs  
 0.020 - inch Machine Sotted Screen  
 2-inch diameter  
 SCH - 20 PVC  
 Screen Length \_\_\_\_\_ ft  
 Bottom of Screen 93 ft bgs

6-inch long Threaded End Cap  
 Bottom of Cap 93.5 ft bgs

Collapsed Native Material NONE

Total Depth of Borehole 96 ft bgs

8-inch diameter borehole

**COMMENTS**

**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

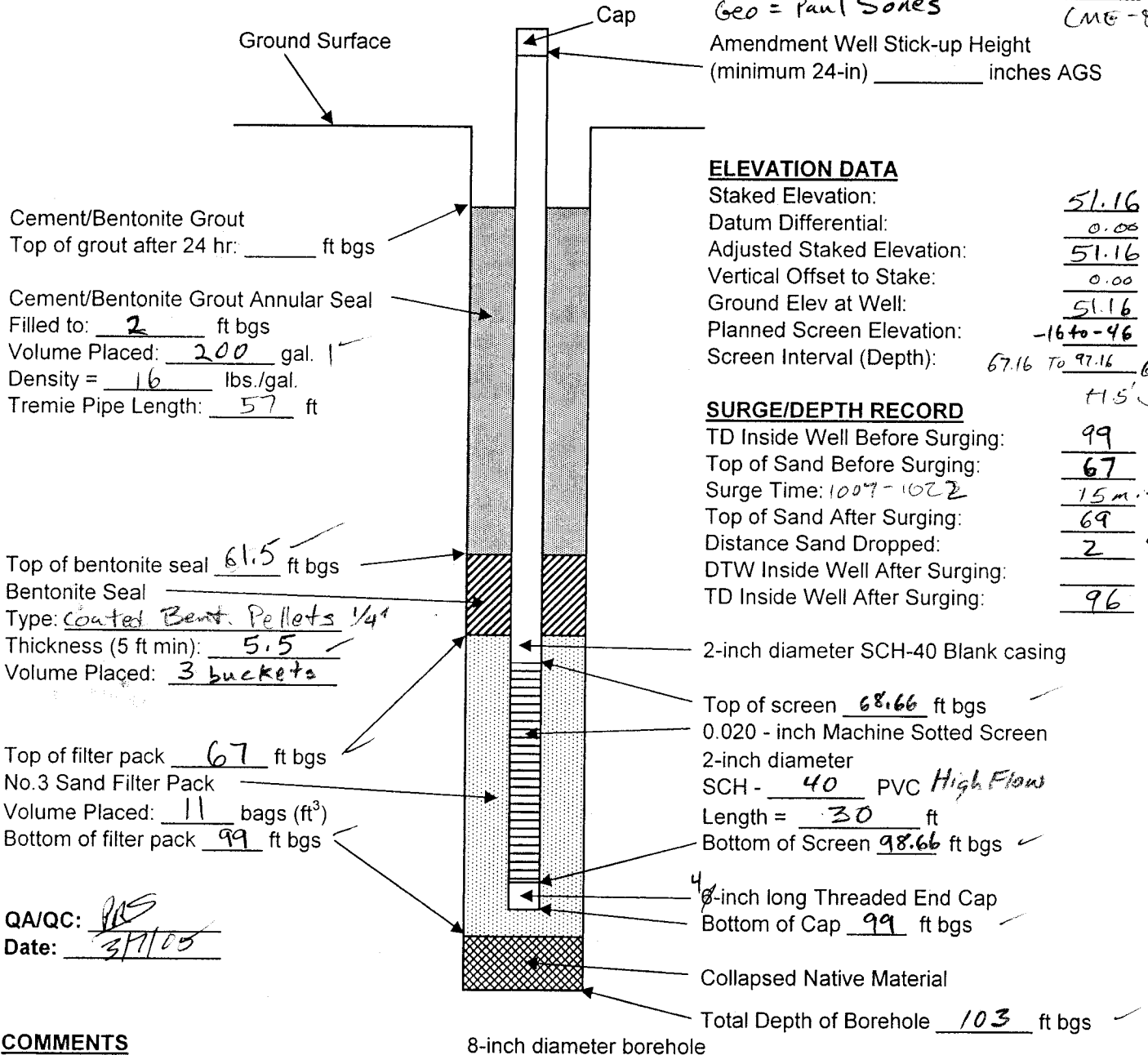
Well ID: AW0097B  
 Start Date/Time: 3/5/05 8:00  
 Finish Date/Time: 3/5/05 11:45  
 Driller/Rig: ③ Paul ALMENZA  
 Geo = Paul Sones CME-85  
 Amendment Well Stick-up Height  
 (minimum 24-in) \_\_\_\_\_ inches AGS

**ELEVATION DATA**

Staked Elevation: 51.16  
 Datum Differential: 0.00  
 Adjusted Staked Elevation: 51.16  
 Vertical Offset to Stake: 0.00  
 Ground Elev at Well: 51.16  
 Planned Screen Elevation: -16 to -46 *Adjust*  
 Screen Interval (Depth): 67.16 To 97.16 *69 To 99*

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging: 99  
 Top of Sand Before Surging: 67  
 Surge Time: 1007-1022 *15 min*  
 Top of Sand After Surging: 69  
 Distance Sand Dropped: 2 *add sand*  
 DTW Inside Well After Surging: \_\_\_\_\_  
 TD Inside Well After Surging: 96



**COMMENTS**

**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AW0099UB  
 Start Date/Time: SA 3/5/05 8:00  
 Finish Date/Time: SA 3/5/05 11:30  
 Driller/Rig: ④ Nacho

Cap Geo = Paul Sones IGNACIO SUTIERRA  
 Amendment Well Stick-up Height (minimum 24-in) \_\_\_\_\_ inches AGS CME-78

Ground Surface

Cement/Bentonite Grout  
 Top of grout after 24 hr: \_\_\_\_\_ ft bgs

Cement/Bentonite Grout Annular Seal  
 Filled to: 4 ft bgs  
 Volume Placed: 250 gal. 14  
 Density = 16 lbs./gal.  
 Tremie Pipe Length: 60 ft

Top of bentonite seal 66 ft bgs  
 Bentonite Seal CONCRETE  
 Type: Bentonite Pellets 1/4"  
 Thickness (5 ft min): 5  
 Volume Placed: 2 buckets

Top of filter pack 71 ft bgs  
 No.3 Sand Filter Pack  
 Volume Placed: 5 bags (ft³)  
 Bottom of filter pack 94.5 ft bgs

QA/QC: PRS  
 Date: 3/7/05

**ELEVATION DATA**

Staked Elevation: 55.31  
 Datum Differential: 0.0  
 Adjusted Staked Elevation: 55.31  
 Vertical Offset to Stake: 0.0  
 Ground Elev at Well: 55.31  
 Planned Screen Elevation: -16 to -36 Adj.  
 Screen Interval (Depth): 71.3 - 91.3 73-93

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging: 91 ft ✓  
 Top of Sand Before Surging: 72  
 Surge Time: 1012 15 min  
 Top of Sand After Surging: 74  
 Distance Sand Dropped: 2 ft Add Sand  
 DTW Inside Well After Surging: 68  
 TD Inside Well After Surging: 90 ✓

2-inch diameter SCH-40 Blank casing

Top of screen 73.6 ft bgs ✓

0.020 - inch Machine Sotted Screen

2-inch diameter

SCH - 40 PVC High Flow

Length = 20 ft

Bottom of Screen 93.6 ft bgs ✓

4 8-inch long Threaded End Cap

Bottom of Cap 94.0 ft bgs ✓

Collapsed Native Material

Total Depth of Borehole 95 ft bgs ✓

8-inch diameter borehole

**COMMENTS**

**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

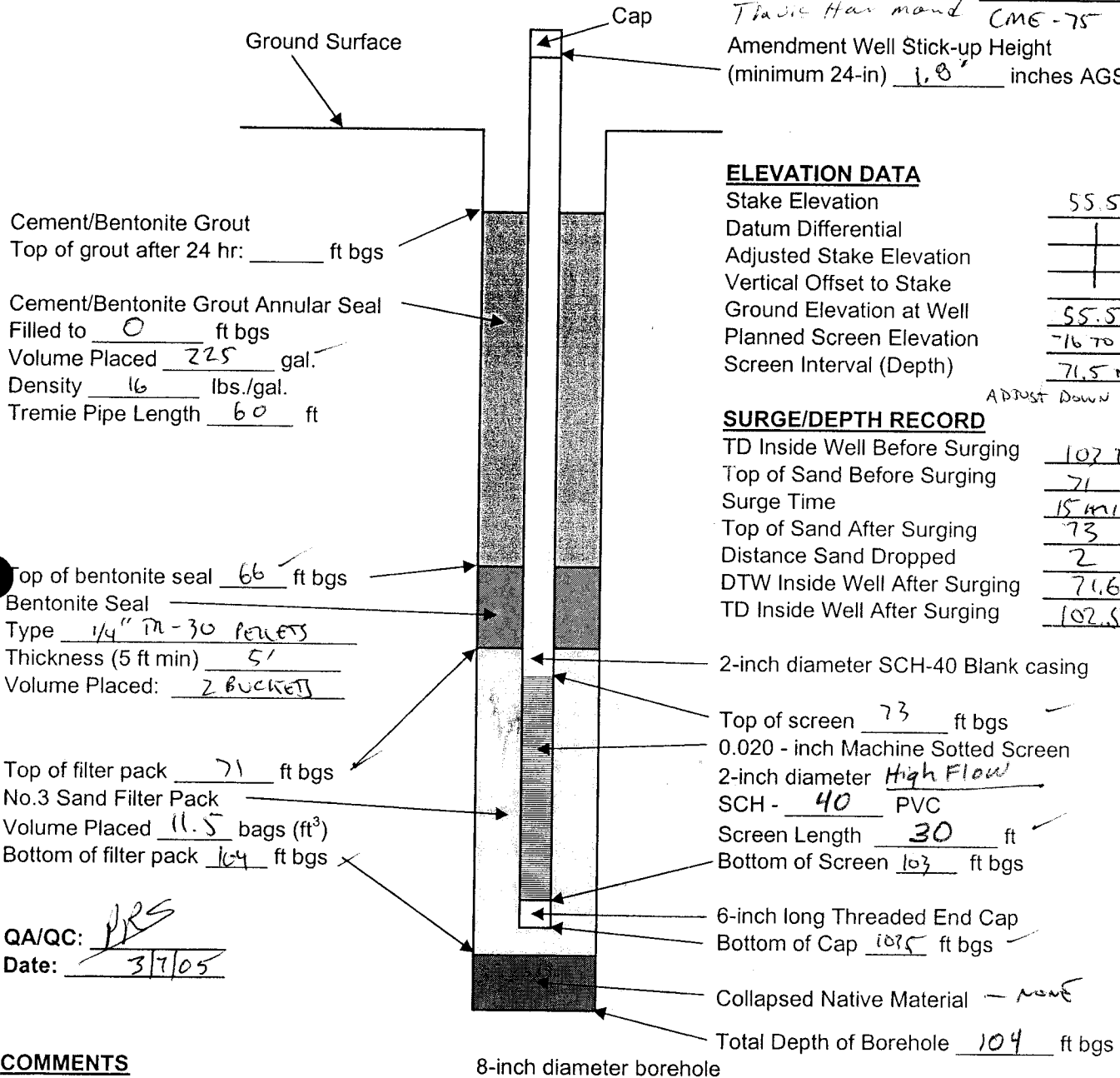
Well ID: AW0100 B  
 Start Date/Time: SA 3/5/05 11:45  
 Finish Date/Time: SA 3/5/05 16:00  
 Driller/Rig: (4) Nacho Gutierrez  
Travis Harman CME-75  
 Amendment Well Stick-up Height  
 (minimum 24-in) 1.8 inches AGS

**ELEVATION DATA**

Stake Elevation	<u>55.55</u>
Datum Differential	<u>      </u>
Adjusted Stake Elevation	<u>      </u>
Vertical Offset to Stake	<u>      </u>
Ground Elevation at Well	<u>55.55</u>
Planned Screen Elevation	<u>-16 to -46</u>
Screen Interval (Depth)	<u>71.5 to 101.5</u>
Adjust Down <del>73</del> TO 103	

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging	<u>102.70C</u> ✓
Top of Sand Before Surging	<u>71</u>
Surge Time	<u>15 min</u>
Top of Sand After Surging	<u>73</u>
Distance Sand Dropped	<u>2</u> Add Sand
DTW Inside Well After Surging	<u>71.6 TOC</u>
TD Inside Well After Surging	<u>102.5 TOC</u>



**COMMENTS**

**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AW 0102UB  
 Start Date/Time: Th 2/10/05 9:30  
 Finish Date/Time: Th 2/10/05 1500  
 Driller/Rig: Travis Hammond ③ MIGUEL ALVARADO  
 Amendment Well Stick-up Height  
 (minimum 24-in) 7 inches AGS

Ground Surface

Cement/Bentonite Grout  
 Top of grout after 24 hr: \_\_\_\_\_ ft bgs

Cement/Bentonite Grout Annular Seal  
 Filled to 5 ft bgs  
 Volume Placed 250 gal.  
 Density 16 lbs./gal.  
 Tremie Pipe Length 70 ft

**ELEVATION DATA**

Stake Elevation	85.50
Datum Differential	
Adjusted Stake Elevation	
Vertical Offset to Stake	
Ground Elevation at Well	55.50
Planned Screen Elevation	-16 to -36
Screen Interval (Depth)	71.5 to 91.5
ADJUST DOWN 77-93	

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging	100 TOC
Top of Sand Before Surging	71
Surge Time	15 min
Top of Sand After Surging	75 Add more
Distance Sand Dropped	4
DTW Inside Well After Surging	76.44 TOC
TD Inside Well After Surging	97.7 TOC

Top of bentonite seal 64 ft bgs  
 Bentonite Seal  
 Type MEDIUM BENTONITE CHIPS  
 Thickness (5 ft min) 5  
 Volume Placed: 3.5

Top of filter pack 71 ft bgs  
 No.3 Sand Filter Pack  
 Volume Placed 5.5 bags (ft<sup>3</sup>)  
 Bottom of filter pack 93.5 ft bgs

QA/QC: AR  
 Date: 2/16/05

2-inch diameter SCH-40 Blank casing

Top of screen 73 ft bgs  
 0.020 - inch Machine Sotted Screen  
 2-inch diameter  
 SCH - 40 PVC  
 Screen Length 20 ft  
 Bottom of Screen 93 ft bgs

6-inch long Threaded End Cap  
 Bottom of Cap 93.5 ft bgs  $100.5 - 7 = 93.5$   
 $105.5 - 7 = 98.5$   
 Collapsed Native Material 93.5 - 95  
 95'  
 Total Depth of Borehole 95 ft bgs

8-inch diameter borehole

**COMMENTS**

**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AW0106 B  
 Start Date/Time: TU 2/8/05 7:50  
 Finish Date/Time: TU 2/8/05 12:00  
 Driller/Rig: (2) IGNACIO GUTIERREZ  
Travis Hammond CME-75  
 Amendment Well Stick-up Height  
 (minimum 24-in) 3.0 inches AGS

Ground Surface

Cap

Cement/Bentonite Grout  
 Top of grout after 24 hr: 4 ft bgs

Cement/Bentonite Grout Annular Seal  
 Filled to 4' ft bgs  
 Volume Placed 250 gal.  
 Density 10 lbs./gal.  
 Tremie Pipe Length 60 ft

Top of bentonite seal 65 ft bgs  
 Bentonite Seal  
 Type 1/4" TL-70 BENTONITE PELLETS  
 Thickness (5 ft min) 5  
 Volume Placed: 2 bucket

Top of filter pack 70 ft bgs  
 No.3 Sand Filter Pack  
 Volume Placed 8.5 bags (ft³)  
 Bottom of filter pack 103 ft bgs

QA/QC: PRS  
 Date: 2/9/05

**ELEVATION DATA**

Stake Elevation	<u>55.22</u> ✓
Datum Differential	<u>  </u>
Adjusted Stake Elevation	<u>  </u>
Vertical Offset to Stake	<u>  </u>
Ground Elevation at Well	<u>55.22</u>
Planned Screen Elevation	<u>-16 to -46</u>
Screen Interval (Depth)	<u>71 to 101</u>

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging	<u>103.5</u>
Top of Sand Before Surging	<u>69.5</u>
Surge Time	<u>15 min</u>
Top of Sand After Surging	<u>72</u>
Distance Sand Dropped	<u>2.5</u>
DTW Inside Well After Surging	<u>71.7'</u>
TD Inside Well After Surging	<u>101.1</u>

2-inch diameter SCH-40 Blank casing

Top of screen 72 ft bgs ✓  
 0.020 - inch Machine Sotted Screen

2-inch diameter  
 SCH - 40 PVC

Screen Length 30 ft ✓

Bottom of Screen 102 ft bgs ✓

6-inch long Threaded End Cap

Bottom of Cap 102.5 ft bgs  
105.5 - 3.0

~~Collapsed Native Material~~ - none

Total Depth of Borehole 103 ft bgs

8-inch diameter borehole

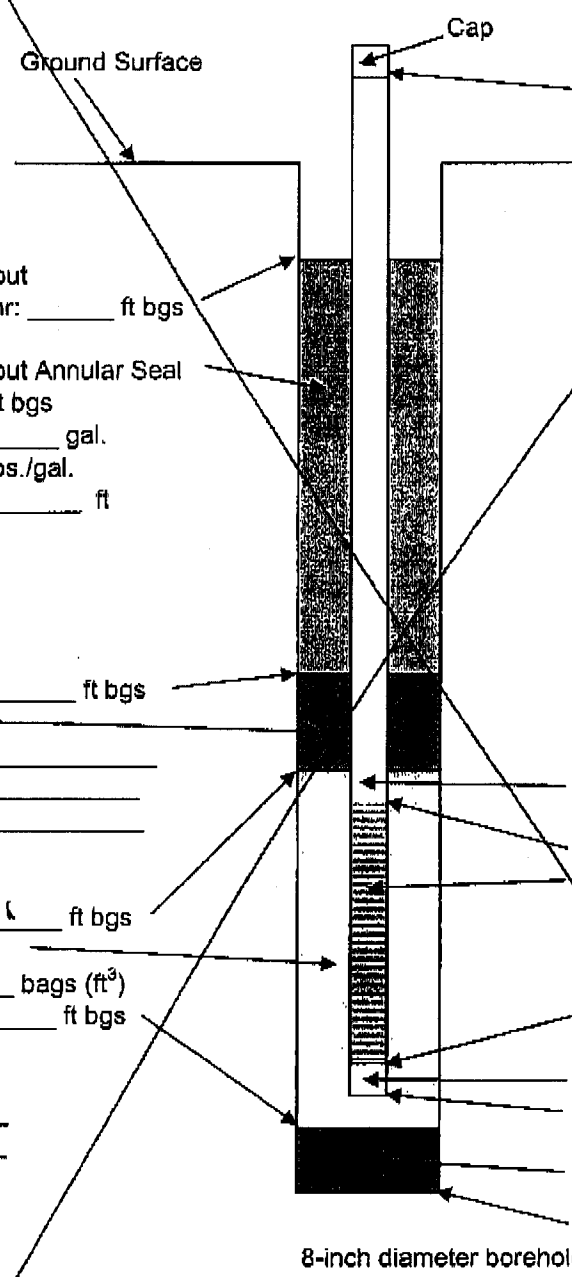
**COMMENTS**

1st Attempt



**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AW0107B  
Start Date/Time: W 2/19/05 7:45  
Finish Date/Time: RE-DO  
Driller/Rig: ⑨ MIGUEL ALVARADO  
Travis Hammond CME-75  
Amendment Well Stick-up Height  
(minimum 24-in) 25 inches AGS  
2.0



**ELEVATION DATA**

Stake Elevation	55.31
Datum Differential	
Adjusted Stake Elevation	
Vertical Offset to Stake	
Ground Elevation at Well	55.31
Planned Screen Elevation	-16 TO -46
Screen Interval (Depth)	71.5 TO 101.5
ADJUST DOWN TO 73-16	

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging	104.5
Top of Sand Before Surging	71
Surge Time	15 min
Top of Sand After Surging	74
Distance Sand Dropped	3
DTW Inside Well After Surging	70.6 (TCC)
TD Inside Well After Surging	100.9 (TCC)

Cement/Bentonite Grout  
Top of grout after 24 hr: \_\_\_\_\_ ft bgs

Cement/Bentonite Grout Annular Seal  
Filled to \_\_\_\_\_ ft bgs  
Volume Placed \_\_\_\_\_ gal.  
Density \_\_\_\_\_ lbs./gal.  
Tremie Pipe Length \_\_\_\_\_ ft

Top of bentonite seal \_\_\_\_\_ ft bgs  
Bentonite Seal \_\_\_\_\_  
Type \_\_\_\_\_  
Thickness (5 ft min) \_\_\_\_\_  
Volume Placed: \_\_\_\_\_

Top of filter pack 71 ft bgs  
No.3 Sand Filter Pack  
Volume Placed \_\_\_\_\_ bags (ft<sup>3</sup>)  
Bottom of filter pack \_\_\_\_\_ ft bgs

QA/QC: \_\_\_\_\_  
Date: \_\_\_\_\_

**COMMENTS**

WELL PULLED UP WHILE SETTING FILTER PACK. PULL WELL & RE-DRILL W/ HAMMER DOWN 160'  
W30 CLEANED OUT - RE-SET WELL. WELL DROPPED 3' ~~DOWN~~. PULL WELL BACK W/ HAMMER  
12:30 CHIPS PLOGGED UP AUGERS & PULLED WELL.  
1:00 PULLED AUGERS - 6' CHIPS INSIDE LEAD & 2nd AUGER





2<sup>nd</sup>, Final Atte pt

**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

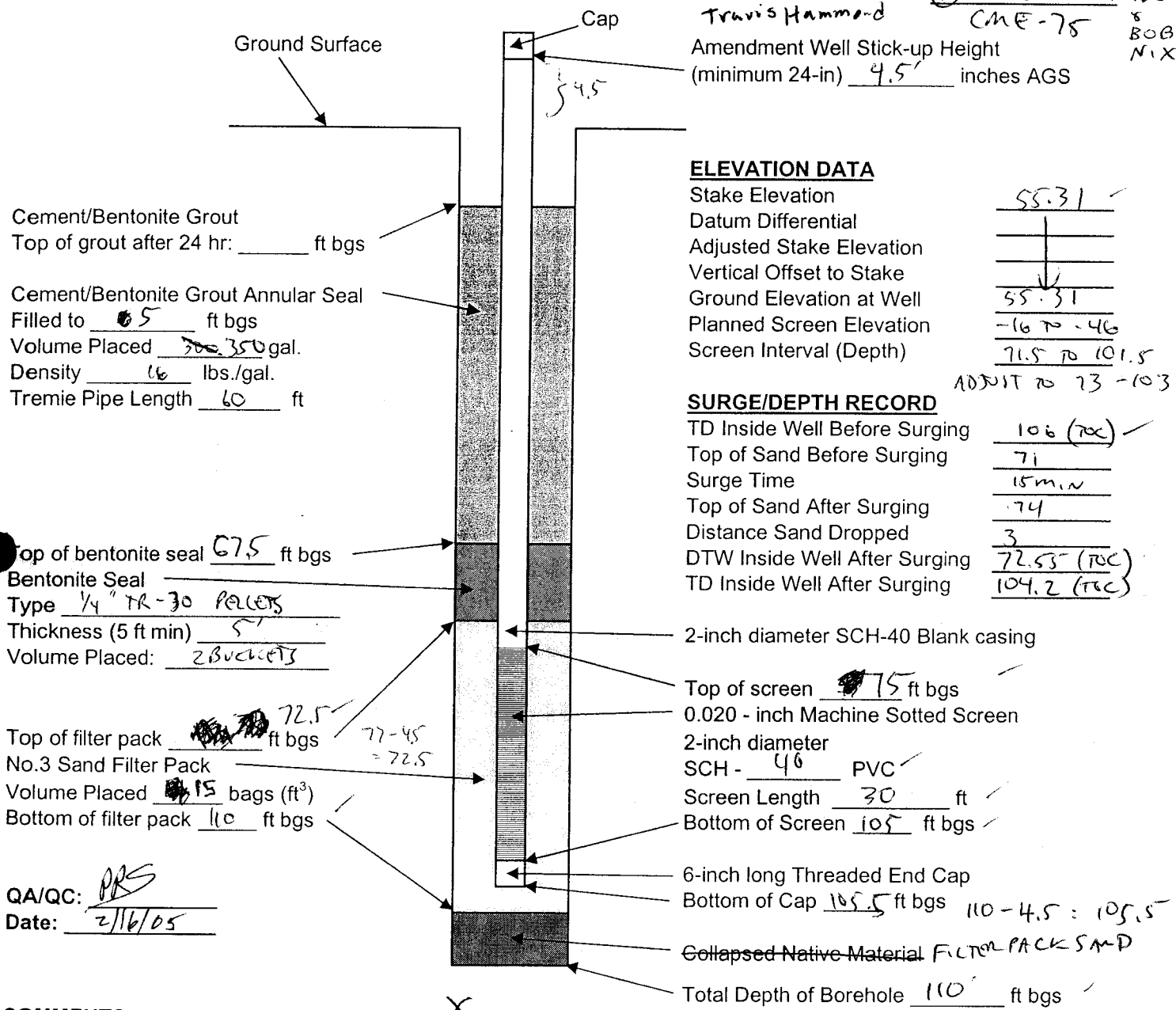
Well ID: AW0107B  
Start Date/Time: w 2/9/05 14:00  
Finish Date/Time: Th 2/10/05 9:00  
Driller/Rig: ③ MIGUEL ALVAREZ  
Travis Hammond CME-75 BOB NIX  
Amendment Well Stick-up Height  
(minimum 24-in) 4.5 inches AGS

**ELEVATION DATA**

Stake Elevation	<u>55.31</u> ✓
Datum Differential	
Adjusted Stake Elevation	
Vertical Offset to Stake	
Ground Elevation at Well	<u>55.31</u>
Planned Screen Elevation	<u>-16 to -46</u>
Screen Interval (Depth)	<u>71.5 to 101.5</u>
ADJUST TO 73 - 103	

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging	<u>106 (TCC)</u> ✓
Top of Sand Before Surging	<u>71</u>
Surge Time	<u>15 min</u>
Top of Sand After Surging	<u>74</u>
Distance Sand Dropped	<u>3</u>
DTW Inside Well After Surging	<u>72.53 (TCC)</u>
TD Inside Well After Surging	<u>104.2 (TCC)</u>



QA/QC: PRS  
Date: 2/16/05

**COMMENTS**

1630 AGENTS BLOCKED AT 70' BGS. PLACED TREMIE TO 74' BGS. TAGGED THROUGH MEMIE PIPE TO SAND AT 80'. ADD SAND THROUGH MEMIE PIPE RUSH WATER THROUGH MEMIE PIPE TO CLEAR 70' BLOCKAGE.



**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AW0108B  
 Start Date/Time: 2-17-05 TH 2:10/05 16:15  
 Finish Date/Time: 2-18-05 12:30 *J. S. Saw*  
 Driller/Rig: 65-TD JORGE GUTIERREZ CME-75  
 0-65 IGNACIO GUTIERREZ CME-75  
 Amendment Well Stick-up Height  
 (minimum 24-in) 24 inches AGS *T. H. HANNA*

Ground Surface  
 Cement/Bentonite Grout  
 Top of grout after 24 hr: 1 ft bgs *as of 3/1/05*

Cement/Bentonite Grout Annular Seal  
 Filled to 1 ft bgs  
 Volume Placed 175 gal.  
 Density 6-7 lbs./gal.  
 Tremie Pipe Length 50 ft

Top of bentonite seal 68 ft bgs  
 Bentonite Seal  
 Type Pellet/Chip  
 Thickness (5 ft min) 5  
 Volume Placed: 2 buckets, 2 bags

Top of filter pack 71 ft bgs  
 No.3 Sand Filter Pack  
 Volume Placed 13 bags (ft<sup>3</sup>)  
 Bottom of filter pack 103.5 ft bgs

QA/QC: \_\_\_\_\_  
 Date: \_\_\_\_\_

**ELEVATION DATA**

Stake Elevation	<u>55.24</u> <u>55.30</u>
Datum Differential	<u>0</u>
Adjusted Stake Elevation	<u>55.30</u>
Vertical Offset to Stake	<u>0</u>
Ground Elevation at Well	<u>55.30</u>
Planned Screen Elevation	<u>-16 to -46</u>
Screen Interval (Depth)	<u>-49 to -19</u>

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging	<u>104.5</u>
Top of Sand Before Surging	<u>72</u>
Surge Time	<u>20 min</u>
Top of Sand After Surging	<u>75</u>
Distance Sand Dropped	<u>3 ft</u>
DTW Inside Well After Surging	<u>100</u>
TD Inside Well After Surging	<u>103.5</u>

*71-101 Adjust Down 77-103*

2-inch diameter SCH-40 Blank casing

Top of screen 73 ft bgs

0.020 - inch Machine Sotted Screen

2-inch diameter used High-Flow Screen

SCH - 40 PVC

Screen Length 30 ft

Bottom of Screen 103 ft bgs

6-inch long Threaded End Cap

Bottom of Cap 103.5 ft bgs

Collapsed Native Material

Total Depth of Borehole 104 ft bgs

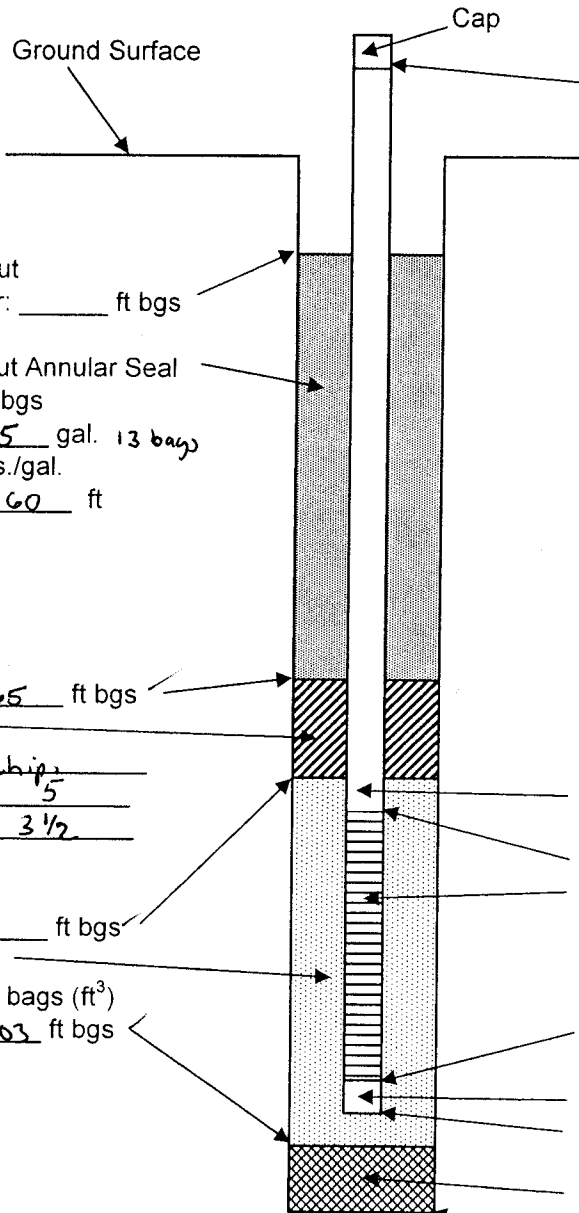
**COMMENTS**

8-inch diameter borehole

Auger was at 105' bgs AT START (8:00AM 2-18-05)

**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AW 109 B  
 Start Date/Time: Th 2-10-05 1100  
 Finish Date/Time: Th 2-10-05 1515  
 Driller/Rig: Travis Hammond ① Jorge Gutierrez  
CME 25  
 Amendment Well Stick-up Height  
 (minimum 24-in) 29 inches AGS



Cement/Bentonite Grout  
 Top of grout after 24 hr: \_\_\_\_\_ ft bgs  
 Cement/Bentonite Grout Annular Seal  
 Filled to 4 ft bgs  
 Volume Placed 225 gal. 13 bags  
 Density 16 lbs./gal.  
 Tremie Pipe Length 60 ft

Top of bentonite seal 65 ft bgs  
 Bentonite Seal \_\_\_\_\_  
 Type Medium Chips  
 Thickness (5 ft min) 5  
 Volume Placed: 3 1/2

Top of filter pack 70 ft bgs  
 No. 3 Sand Filter Pack  
 Volume Placed 10 bags (ft<sup>3</sup>)  
 Bottom of filter pack 103 ft bgs

QA/QC: PK  
 Date: 2/16/05

**ELEVATION DATA**

Stake Elevation	<u>55.25</u>
Datum Differential	<u>          </u>
Adjusted Stake Elevation	<u>          </u>
Vertical Offset to Stake	<u>          </u>
Ground Elevation at Well	<u>55.25</u>
Planned Screen Elevation	<u>-16 -7 -46</u>
Screen Interval (Depth)	<u>71.5 - 101.5</u>

adjusted down to 73-103

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging	<u>104.8</u> ✓
Top of Sand Before Surging	<u>70</u>
Surge Time	<u>15 min</u>
Top of Sand After Surging	<u>70</u>
Distance Sand Dropped	<u>0</u>
DTW Inside Well After Surging	<u>70.48</u> ✓
TD Inside Well After Surging	<u>103.03</u>

**COMMENTS**

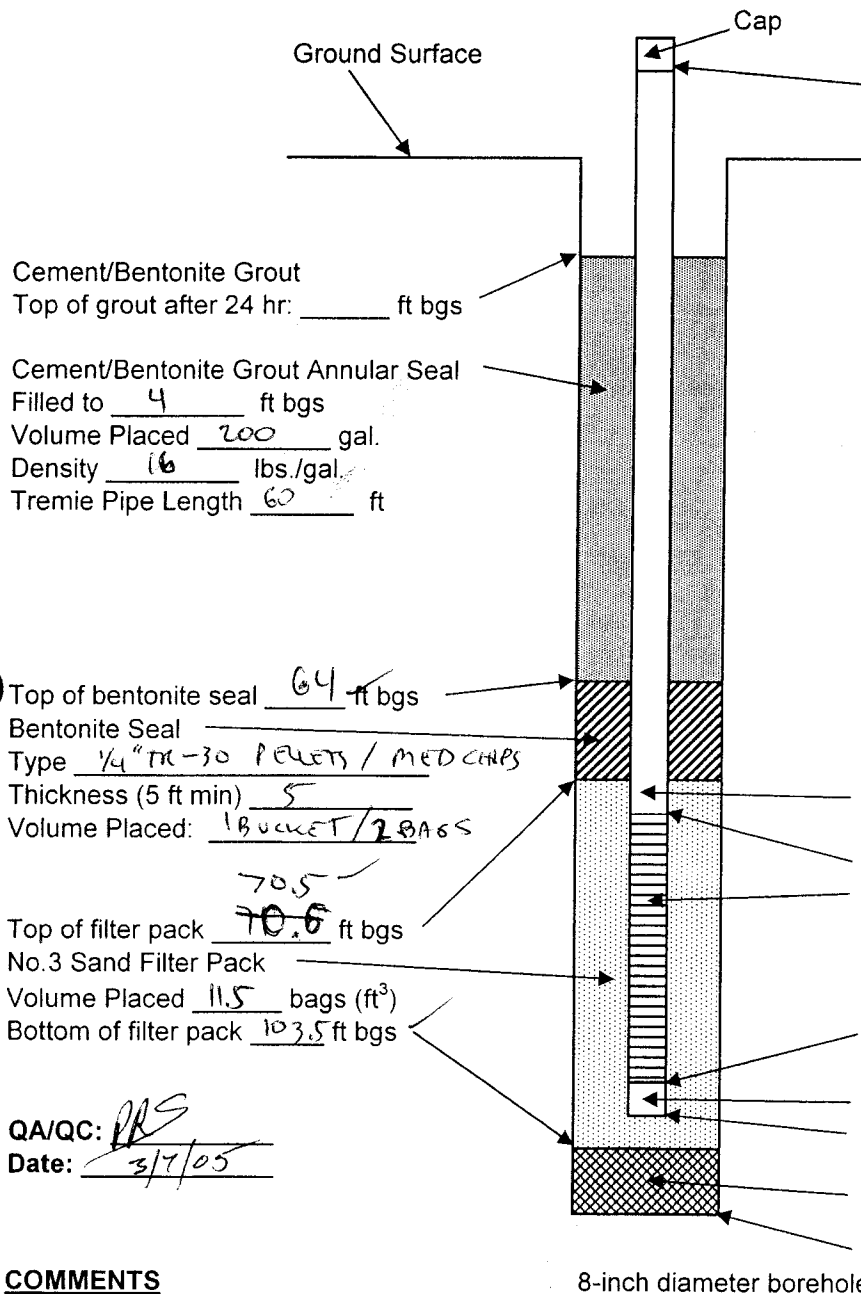
8-inch diameter borehole



**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AW0110B  
Start Date/Time: SA 3/5/05 9:40  
Finish Date/Time: SA 3/5/05 13:00  
Driller/Rig: Travis H. and T. Hammond ① STEVE HUSTON CMG-9

Amendment Well Stick-up Height  
(minimum 24-in) 2.0 inches AGS



**ELEVATION DATA**

Stake Elevation	<u>55.25</u>
Datum Differential	<u>0</u>
Adjusted Stake Elevation	<u>55.25</u>
Vertical Offset to Stake	<u>0</u>
Ground Elevation at Well	<u>55.25</u>
Planned Screen Elevation	<u>-16 to -46</u>
Screen Interval (Depth)	<u>71.5 to 101.5</u>

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging	<u>104.1 TD</u>
Top of Sand Before Surging	<u>69</u>
Surge Time	<u>15 min</u>
Top of Sand After Surging	<u>74</u>
Distance Sand Dropped	<u>5</u>
DTW Inside Well After Surging	<u>70.8 TOC</u>
TD Inside Well After Surging	<u>105</u>

ADJUST DOWN 73-103 ✓  
Add Sand

QA/QC: PRS  
Date: 3/7/05

**COMMENTS**

**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AW011108  
 Start Date/Time: 2-10-05 1545  
 Finish Date/Time: SA 2/5/05 10:45  
 Driller/Rig: Travis Hammond ① Jorge Gutierrez

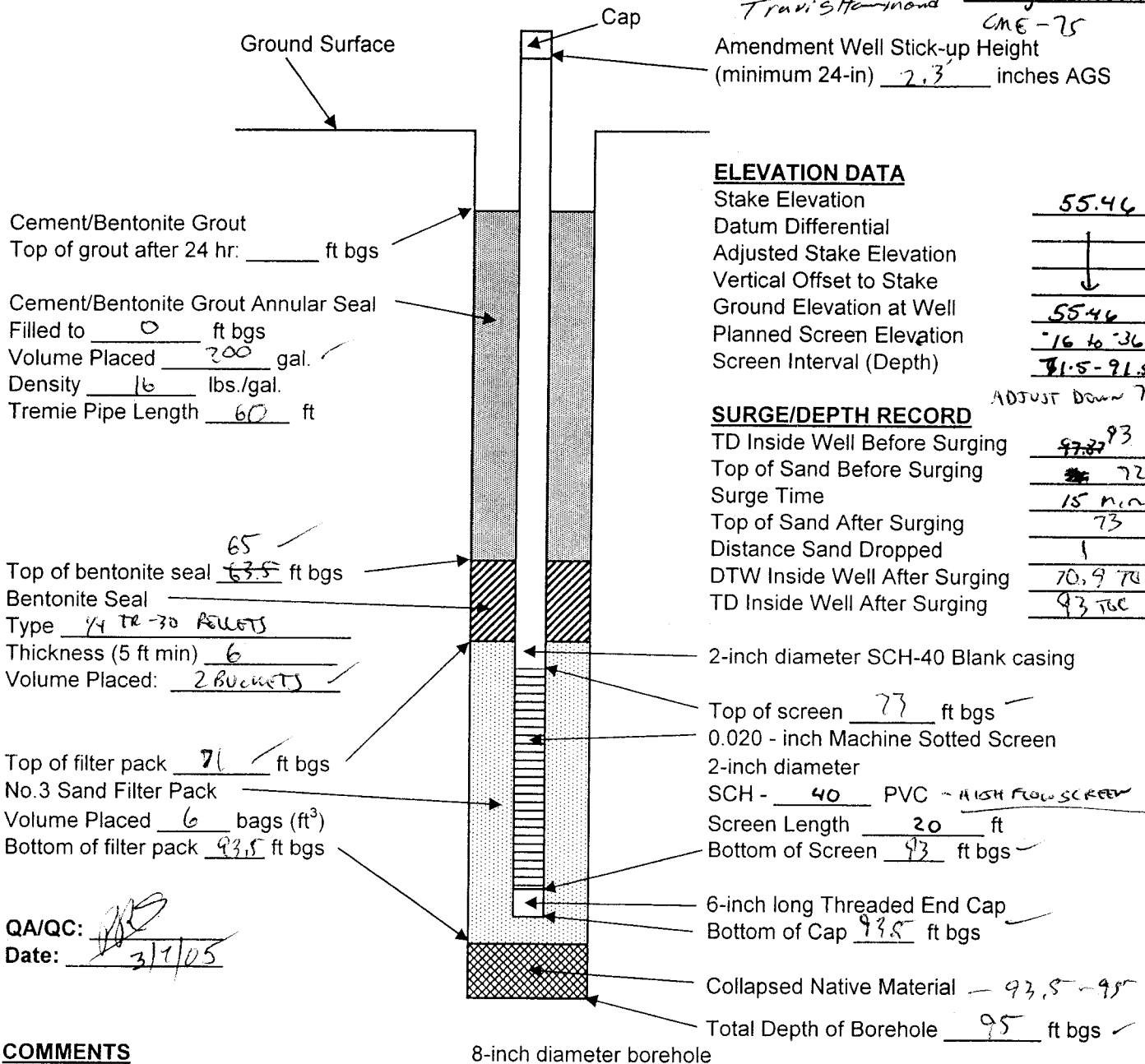
Amendment Well Stick-up Height  
 (minimum 24-in) 2.3 inches AGS

**ELEVATION DATA**

Stake Elevation 55.46  
 Datum Differential ↓  
 Adjusted Stake Elevation ↓  
 Vertical Offset to Stake ↓  
 Ground Elevation at Well 55.46  
 Planned Screen Elevation 76 to 76  
 Screen Interval (Depth) 81.5 - 91.5

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging 97.87 93 TOC  
 Top of Sand Before Surging 72  
 Surge Time 15 min  
 Top of Sand After Surging 73 Add sand  
 Distance Sand Dropped 1  
 DTW Inside Well After Surging 70.9 TOC  
 TD Inside Well After Surging 93 TOC



Cement/Bentonite Grout  
 Top of grout after 24 hr: \_\_\_\_\_ ft bgs  
 Cement/Bentonite Grout Annular Seal  
 Filled to 0 ft bgs  
 Volume Placed 200 gal.  
 Density 16 lbs./gal.  
 Tremie Pipe Length 60 ft

Top of bentonite seal 65 ft bgs  
 Bentonite Seal 63.5 ft bgs  
 Type 1/4 in 30 pellets  
 Thickness (5 ft min) 6  
 Volume Placed: 2 Buckets

Top of filter pack 71 ft bgs  
 No. 3 Sand Filter Pack  
 Volume Placed 6 bags (ft³)  
 Bottom of filter pack 93.5 ft bgs

QA/QC: [Signature]  
 Date: 3/1/05

**COMMENTS**

Revised  
3/10/05  
AW0112UB

**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AW0112UB  
Start Date/Time: SA 3/5/05 11:00  
Finish Date/Time: SA 3/5/05 1630  
Driller/Rig: (2) JORGE BUTERKEZ  
Travis Hammond CME-75  
Amendment Well Stick-up Height  
(minimum 24-in) 2.5 inches AGS

Ground Surface  
Cement/Bentonite Grout  
Top of grout after 24 hr: 3 ft bgs  
Cement/Bentonite Grout Annular Seal  
Filled to 0 ft bgs  
Volume Placed 225 gal.  
Density 16 lbs./gal.  
Tremie Pipe Length 60 ft

Top of bentonite seal 66 ft bgs  
Bentonite Seal  
Type 1/4" ML-70 BELLUS  
Thickness (5 ft min) 5'  
Volume Placed: 2 BUCKETS

Top of filter pack 71 ft bgs  
No.3 Sand Filter Pack  
Volume Placed 12 bags (ft³)  
Bottom of filter pack 103 ft bgs  
93

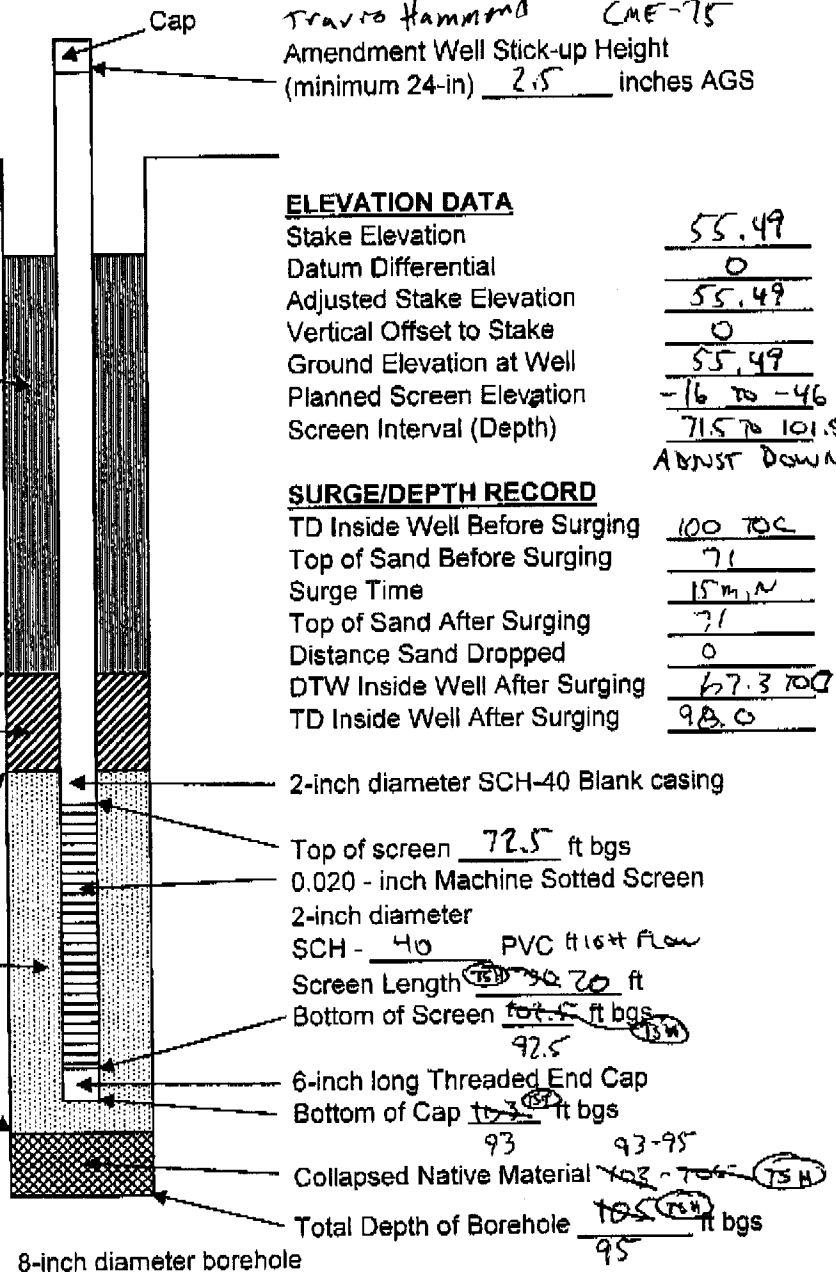
QA/QC: PR  
Date: 3/10/05

**ELEVATION DATA**

Stake Elevation	<u>55.49</u>
Datum Differential	<u>0</u>
Adjusted Stake Elevation	<u>55.49</u>
Vertical Offset to Stake	<u>0</u>
Ground Elevation at Well	<u>55.49</u>
Planned Screen Elevation	<u>-16 TO -46</u>
Screen Interval (Depth)	<u>71.5 TO 101.5</u>
ADJUST DOWN 73-11	

**SURGE/DEPTH RECORD**

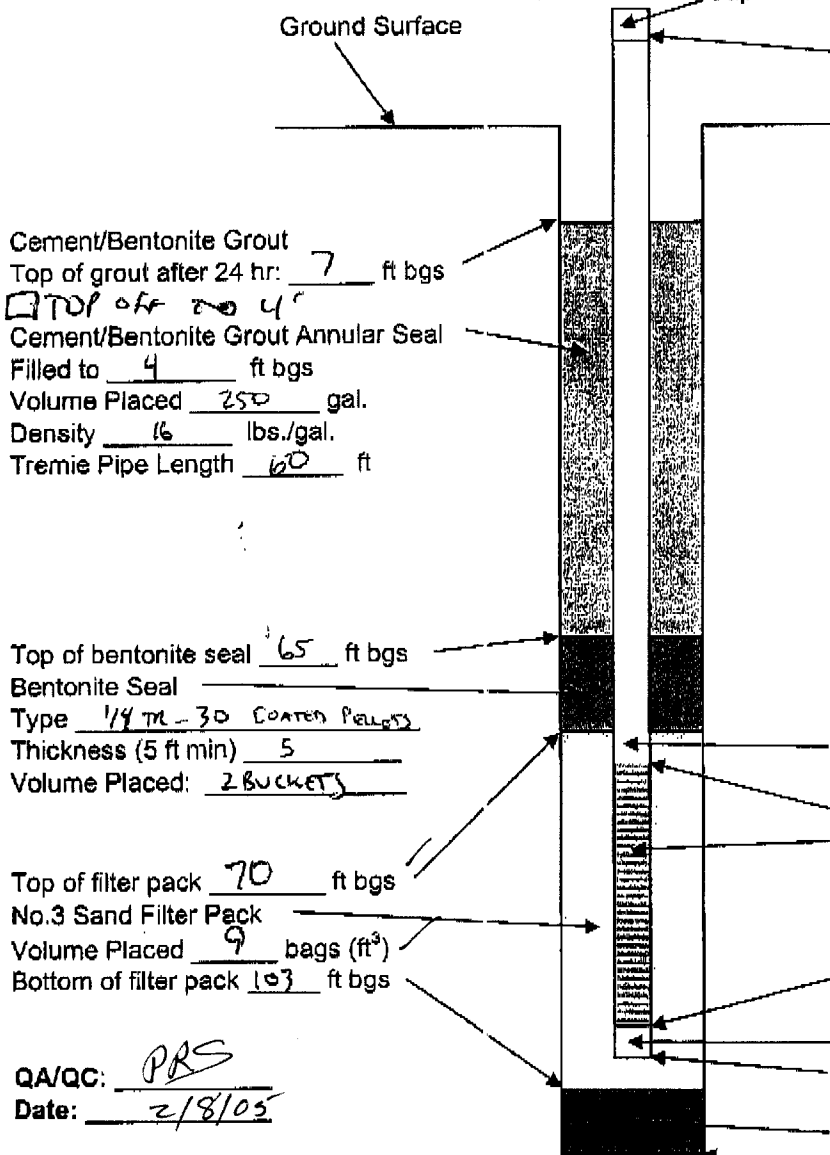
TD Inside Well Before Surging	<u>100 TOC</u>
Top of Sand Before Surging	<u>71</u>
Surge Time	<u>15 min</u>
Top of Sand After Surging	<u>71</u>
Distance Sand Dropped	<u>0</u>
DTW Inside Well After Surging	<u>67.3 TOC</u>
TD Inside Well After Surging	<u>98.0</u>



**COMMENTS**

**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AW0113B  
 Start Date/Time: SA 2/5/05 14:00  
 Finish Date/Time: M 2/7/05 1130  
 Driller/Rig: \* ① JUDGE GUTIERREZ  
T. Hammond  
 CME-75  
 Amendment Well Stick-up Height  
 (minimum 24-in) 3'5" inches AGS



**ELEVATION DATA**

Stake Elevation	<u>55.18</u>
Datum Differential	<u>+</u>
Adjusted Stake Elevation	<u>+</u>
Vertical Offset to Stake	<u>+</u>
Ground Elevation at Well	<u>55.18</u>
Planned Screen Elevation	<u>-16 to -46</u>
Screen Interval (Depth)	<u>71 to 101</u>

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging	<u>103.8</u>
Top of Sand Before Surging	<u>64</u>
Surge Time	<u>15 min</u>
Top of Sand After Surging	<u>71</u>
Distance Sand Dropped	<u>2'</u>
DTW Inside Well After Surging	<u>71.9' TOC</u>
TD Inside Well After Surging	<u>100.9' TOC</u>
	<u>TOC - 6 ft surging 3.5'</u>

QA/QC: PRS  
 Date: 2/8/05

**COMMENTS**

8-inch diameter borehole

M 2/7/05 1600 DTW 71.6 (TOC) - 3.5 = 68.1

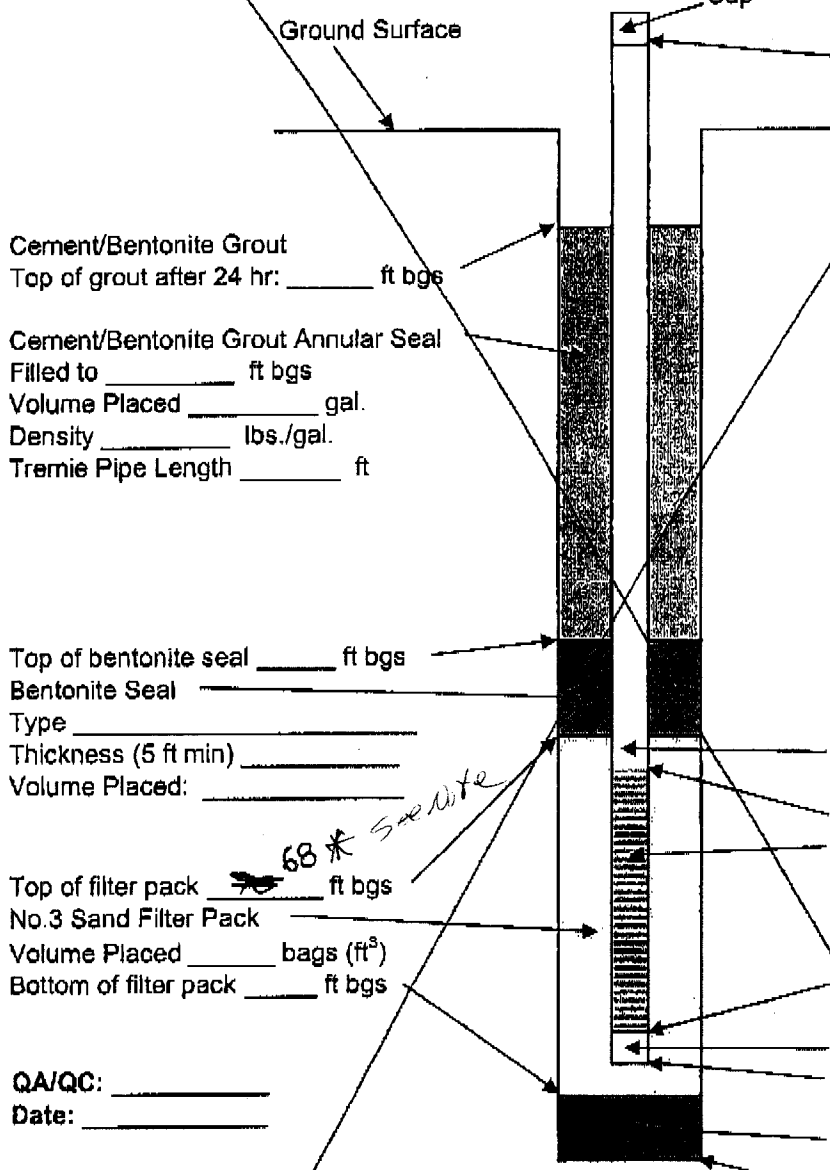
TD 100.6 (TOC) - 3.5 = 97.1

1<sup>st</sup> Attempt.



**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AW0114B  
Start Date/Time: TU 2/8/05 8:00  
Finish Date/Time: RE-DO  
Driller/Rig: T. Hammond  
Amendment/Well Stick-up Height  
(minimum 24-in) 35" inches AGS  
5.0'



**ELEVATION DATA**

Stake Elevation	<u>55.20</u>
Datum Differential	
Adjusted Stake Elevation	
Vertical Offset to Stake	
Ground Elevation at Well	<u>55.20</u>
Planned Screen Elevation	<u>-16 to -46</u>
Screen Interval (Depth)	<u>71 to 101</u>

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging	<u>101.8 TOC</u>
Top of Sand Before Surging	<u>69</u>
Surge Time	<u>15 MIN</u>
Top of Sand After Surging	<u>61 - ???</u>
Distance Sand Dropped	
DTW Inside Well After Surging	<u>73.1 TOC</u>
TD Inside Well After Surging	<u>102.2 TOC</u>

**COMMENTS**

1030 AFTER SURGING, TAPPED TOP OF SAND @ 61'. SHOULD BE 68', USING  
TREMIE PIPE W/ WATER TO PUSH OUT PLUG.  
PULL WELL & GET INTO WT W/ SEAL  
Top of Sand was @ 61' - pull well casing + redo



2<sup>nd</sup>, final Attempt

**HALEY & ALDRICH**

**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AW00114B  
 Start Date/Time: TU 2/8/05 11:15  
 Finish Date/Time: TU 2/8/05 16:00  
 Driller/Rig: T. Hammond ③ MIGUEL ALVARADO  
CME-75  
 Amendment Well Stick-up Height  
 (minimum 24-in) 3.5 inches AGS

Ground Surface

Cement/Bentonite Grout  
 Top of grout after 24 hr: 5 ft bgs

Cement/Bentonite Grout Annular Seal  
 Filled to 1 ft bgs  
 Volume Placed 250 gal.  
 Density 16 lbs./gal.  
 Tremie Pipe Length 60 ft ✓

Top of bentonite seal 65 ft bgs ✓  
 Bentonite Seal  
 Type 4" TH - 30 BENTONITE PELLET  
 Thickness (5 ft min) 5  
 Volume Placed: 3 Buckets

Top of filter pack 70 ft bgs ✓  
 No.3 Sand Filter Pack  
 Volume Placed 10.5 bags (ft<sup>3</sup>)  
 Bottom of filter pack 105 ft bgs ✓

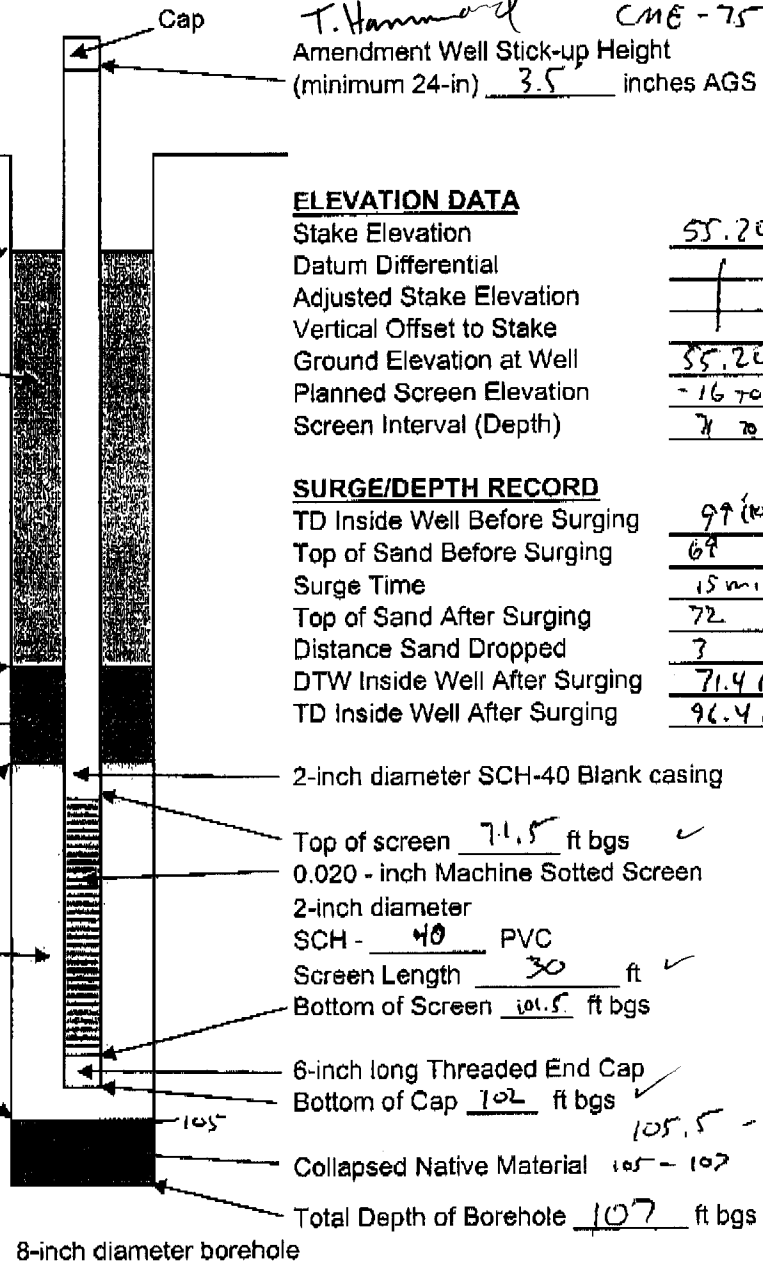
QA/QC: PRS  
 Date: 2/9/05

**ELEVATION DATA**

Stake Elevation	<u>55.20</u> ✓
Datum Differential	<u>1</u>
Adjusted Stake Elevation	<u>55.20</u>
Vertical Offset to Stake	<u>55.20</u>
Ground Elevation at Well	<u>-16.70 = 46</u>
Planned Screen Elevation	<u>71.4</u>
Screen Interval (Depth)	<u>71 to 101</u>

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging	<u>99 (TOL)</u> <u>OR = 71.1</u> ✓
Top of Sand Before Surging	<u>69</u>
Surge Time	<u>15 min</u>
Top of Sand After Surging	<u>72</u>
Distance Sand Dropped	<u>3</u>
DTW Inside Well After Surging	<u>71.4 (TOL)</u>
TD Inside Well After Surging	<u>96.4 (TOL)</u>



**COMMENTS**

**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

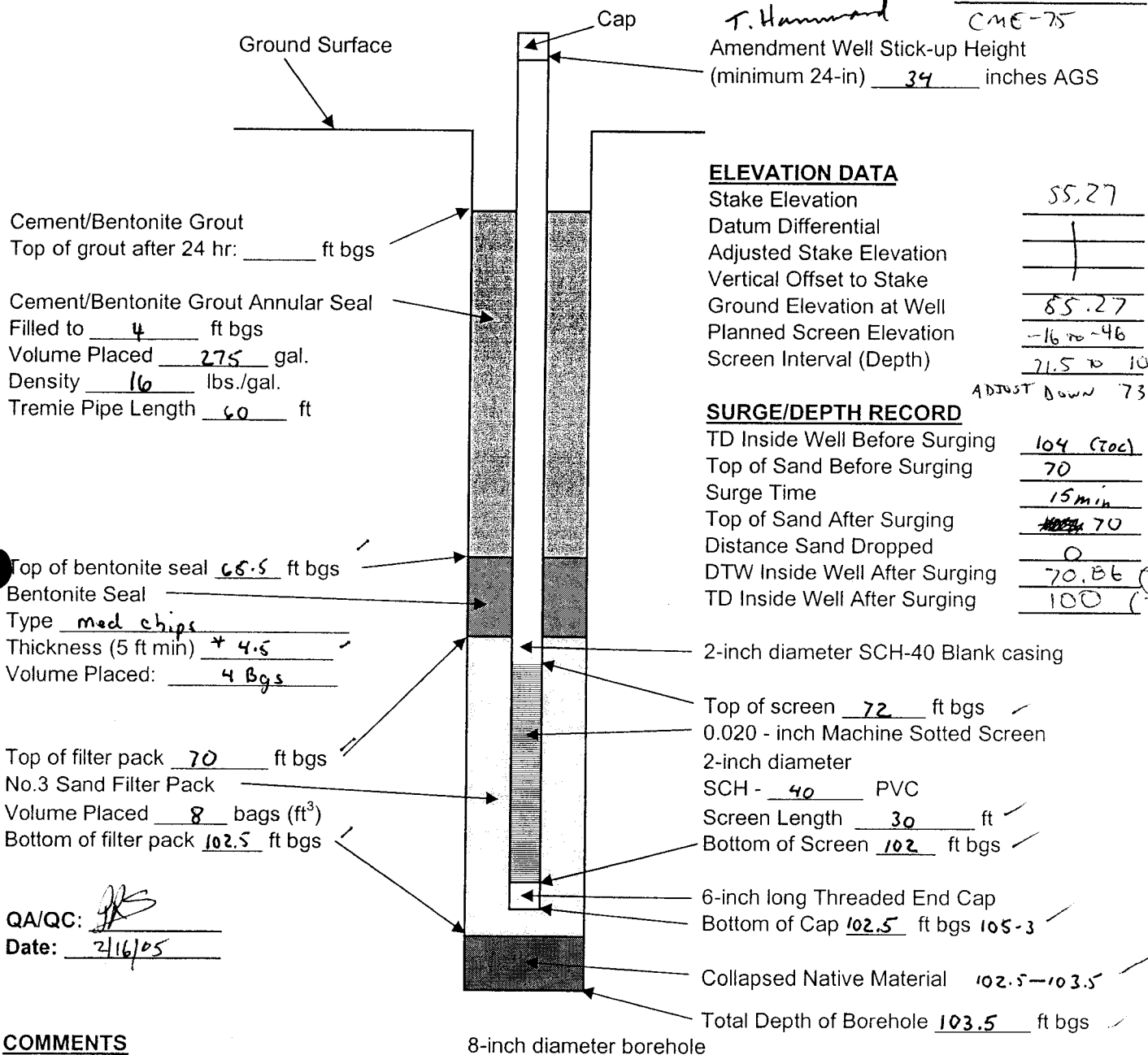
Well ID: AW0115B  
 Start Date/Time: W 2/9/05 1430  
 Finish Date/Time: Tu 2-10-05 1030  
 Driller/Rig: T. Hammond ① JUDGE GUTIERREZ  
CME-75  
 Amendment Well Stick-up Height  
 (minimum 24-in) 34 inches AGS

**ELEVATION DATA**

Stake Elevation	<u>85.27</u>
Datum Differential	<u>1</u>
Adjusted Stake Elevation	<u>85.27</u>
Vertical Offset to Stake	<u>-16 to -46</u>
Ground Elevation at Well	<u>85.27</u>
Planned Screen Elevation	<u>71.5 to 101.5</u>
Screen Interval (Depth)	<u>ADJUST Down 73 to 10</u>

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging	<u>104 (TOC)</u>
Top of Sand Before Surging	<u>70</u>
Surge Time	<u>15 min</u>
Top of Sand After Surging	<u>70</u>
Distance Sand Dropped	<u>0</u>
DTW Inside Well After Surging	<u>70.86 (TOC)</u>
TD Inside Well After Surging	<u>100 (TOC)</u>



QA/QC: [Signature]  
 Date: 2/16/05

**COMMENTS**

**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AW0116B  
 Start Date/Time: W 2/9/05 835  
 Finish Date/Time: W 2/9/05 1400  
 Driller/Rig: ① SERGE GUTIERREZ  
T. Hammond  
 Amendment Well Stick-up Height  
 (minimum 24-in) 2.0 inches AGS

Ground Surface

Cement/Bentonite Grout  
 Top of grout after 24 hr: 7' ft bgs  
☒ Top off to 4' bgs  
 Cement/Bentonite Grout Annular Seal  
 Filled to 0 ft bgs  
 Volume Placed 275 gal.  
 Density 16 lbs./gal.  
 Tremie Pipe Length 60 ft

Top of bentonite seal 66 ft bgs  
 Bentonite Seal  
 Type MEDIUM BENTONITE CHS  
 Thickness (5 ft min) 5'  
 Volume Placed: 3 BAGS

Top of filter pack 71 ft bgs  
 No.3 Sand Filter Pack  
 Volume Placed 10 bags (ft³)  
 Bottom of filter pack 103 ft bgs

QA/QC: PR  
 Date: 2/11/05

**ELEVATION DATA**

Stake Elevation	55.24
Datum Differential	
Adjusted Stake Elevation	
Vertical Offset to Stake	
Ground Elevation at Well	55.24
Planned Screen Elevation	-16 to -46
Screen Interval (Depth)	71 to 101

ADJUST 73 to 103

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging	101 (TCC)
Top of Sand Before Surging	70
Surge Time	15 min
Top of Sand After Surging	73.5
Distance Sand Dropped	3.5
DTW Inside Well After Surging	71.1 (TCC)
TD Inside Well After Surging	99 (TCC)

2-inch diameter SCH-40 Blank casing

Top of screen 73 ft bgs  
 0.020 - inch Machine Sotted Screen  
 2-inch diameter  
 SCH - 40 PVC  
 Screen Length 30 ft  
 Bottom of Screen 103 ft bgs

6-inch long Threaded End Cap  
 Bottom of Cap 103.5 ft bgs

Collapsed Native Material 104 - 104.5

Total Depth of Borehole 104.5 ft bgs

8-inch diameter borehole

**COMMENTS**

~~Well Packer or other screen filter pack. Removed well, insert hammer pack~~ (To A)  
 On 2/10/05 DTW ~ 70.0 - 2.0 = 68  
 TD ~ 95.9 - 2.0 = 93.9

**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AW0117UB  
 Start Date/Time: Th 2/10/05 11:15  
 Finish Date/Time: Th 2/10/05 15:45  
 Driller/Rig: T. Hammond 2" VACIO GUTIERREZ  
CME-75

Amendment Well Stick-up Height  
 (minimum 24-in) 1 inches AGS

**ELEVATION DATA**

Stake Elevation	<u>55.49</u>
Datum Differential	<u>↓</u>
Adjusted Stake Elevation	<u>↓</u>
Vertical Offset to Stake	<u>↓</u>
Ground Elevation at Well	<u>55.49</u>
Planned Screen Elevation	<u>-16 TO -36</u>
Screen Interval (Depth)	<u>71.5 to 104.5</u> 91.0

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging	<u>91.6 (TOE)</u> - 94
Top of Sand Before Surging	<u>71.5</u>
Surge Time	<u>15 min</u>
Top of Sand After Surging	<u>75</u> Add Sand
Distance Sand Dropped	<u>3</u>
DTW Inside Well After Surging	<u>69.4</u> (TOE)
TD Inside Well After Surging	<u>88</u> (TOE)

Cement/Bentonite Grout  
 Top of grout after 24 hr:          ft bgs

Cement/Bentonite Grout Annular Seal  
 Filled to 0 ft bgs  
 Volume Placed 225 gal.  
 Density 16 lbs./gal.  
 Tremie Pipe Length 60 ft

Top of bentonite seal 67 ft bgs  
 Bentonite Seal  
 Type MEDIUM BENTONITE CHIPS  
 Thickness (5 ft min) MED BENTONITE CHIPS  
 Volume Placed: 3 BAGS

Top of filter pack 72 ft bgs  
 No.3 Sand Filter Pack  
 Volume Placed          bags (ft<sup>3</sup>)  
 Bottom of filter pack 94.5 ft bgs

QA/QC: ARS  
 Date: 2/16/05

2-inch diameter SCH-40 Blank casing

Top of screen 71 ft bgs ✓

0.020 - inch Machine Sotted Screen

2-inch diameter  
 SCH - 40 PVC

Screen Length 20 ft ✓

Bottom of Screen 91.5 ft bgs ✓

6-inch long Threaded End Cap

Bottom of Cap 94.5 ft bgs

Collapsed Native Material 94.5-95

Total Depth of Borehole 95 ft bgs

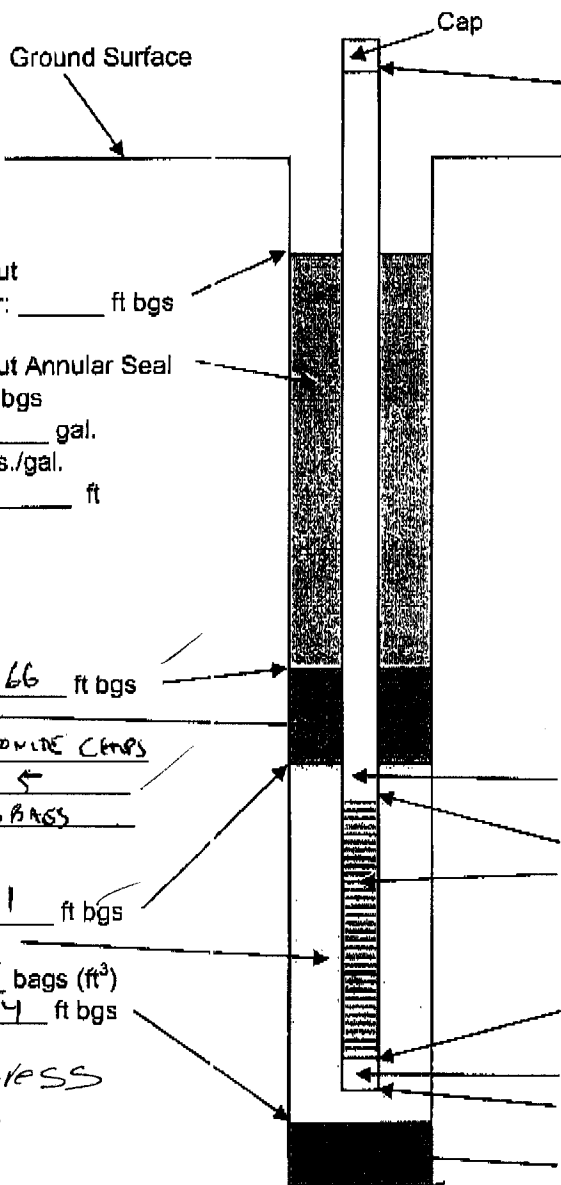
8-inch diameter borehole

**COMMENTS**

**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AW011905  
 Start Date/Time: Tu 2/8/05 12:30  
 Finish Date/Time: W 2/9/05 8:45  
 Driller/Rig: T. Hammond ② TERNACIO GOTTFRAGE  
CME-75

Amendment Well Stick-up Height  
 (minimum 24-in) 1.5' inches AGS



Cement/Bentonite Grout  
 Top of grout after 24 hr: \_\_\_\_\_ ft bgs  
 Cement/Bentonite Grout Annular Seal  
 Filled to \_\_\_\_\_ ft bgs  
 Volume Placed \_\_\_\_\_ gal.  
 Density \_\_\_\_\_ lbs./gal.  
 Tremie Pipe Length \_\_\_\_\_ ft

Top of bentonite seal 66 ft bgs  
 Bentonite Seal  
 Type MEDIUM BENTONITE CHIPS  
 Thickness (5 ft min) 5  
 Volume Placed: 3 BAGS

Top of filter pack 71 ft bgs  
 No.3 Sand Filter Pack  
 Volume Placed 5.5 bags (ft<sup>3</sup>)  
 Bottom of filter pack 94 ft bgs

QA/QC: In Progress  
 Date: \_\_\_\_\_

**ELEVATION DATA**

Stake Elevation	<u>55.43</u>
Datum Differential	
Adjusted Stake Elevation	
Vertical Offset to Stake	
Ground Elevation at Well	<u>55.43</u>
Planned Screen Elevation	<u>-16 to -36</u>
Screen Interval (Depth)	<u>71.5</u>
Adjust Down	<u>71.5</u>

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging	<u>94 (RC)</u>
Top of Sand Before Surging	<u>71</u>
Surge Time	<u>15 min</u>
Top of Sand After Surging	<u>73</u>
Distance Sand Dropped	<u>2</u>
DTW Inside Well After Surging	<u>70.45 (TOC)</u>
TD Inside Well After Surging	<u>90.3 (TOC)</u>

2-inch diameter SCH-40 Blank casing

Top of screen 73 ft bgs  
 0.020-inch Machine Sotted Screen  
 2-inch diameter  
 SCH- 40 PVC  
 Screen Length 20 ft  
 Bottom of Screen 93 ft bgs

6-inch long Threaded End Cap  
 Bottom of Cap 93.5 ft bgs

$95 - 1.5 = 93.5$

Collapsed Native Material

Total Depth of Borehole 94 ft bgs

**COMMENTS**

8-inch diameter borehole

W 2/9/05 730 DTW - NONE D.T CHIPS → 66' BOS ADD WATER BEFORE GRouting

**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AWD120B  
 Start Date/Time: (2) SA 2/5/05 13:30  
 Finish Date/Time: M 2/7/05 13:00  
 Driller/Rig: T. Hammond (2) IGNACIO GUTIERREZ  
CME-75  
 Amendment Well Stick-up Height  
 (minimum 24-in) 3' inches AGS

Cement/Bentonite Grout  
 Top of grout after 24 hr: 8' ft bgs  
☐ top off to 4'  
 Cement/Bentonite Grout Annular Seal  
 Filled to 4' ft bgs  
 Volume Placed 225 gal. 5.5 drums  
 Density 16 lbs./gal.  
 Tremie Pipe Length 60 ft

Top of bentonite seal 65 ft bgs  
 Bentonite Seal  
 Type 1/4" x 30 Beuro  
 Thickness (5 ft min) 5'  
 Volume Placed: 28 drums

Top of filter pack 70 ft bgs  
 No.3 Sand Filter Pack  
 Volume Placed 7 bags (ft<sup>3</sup>)  
 Bottom of filter pack 103 ft bgs

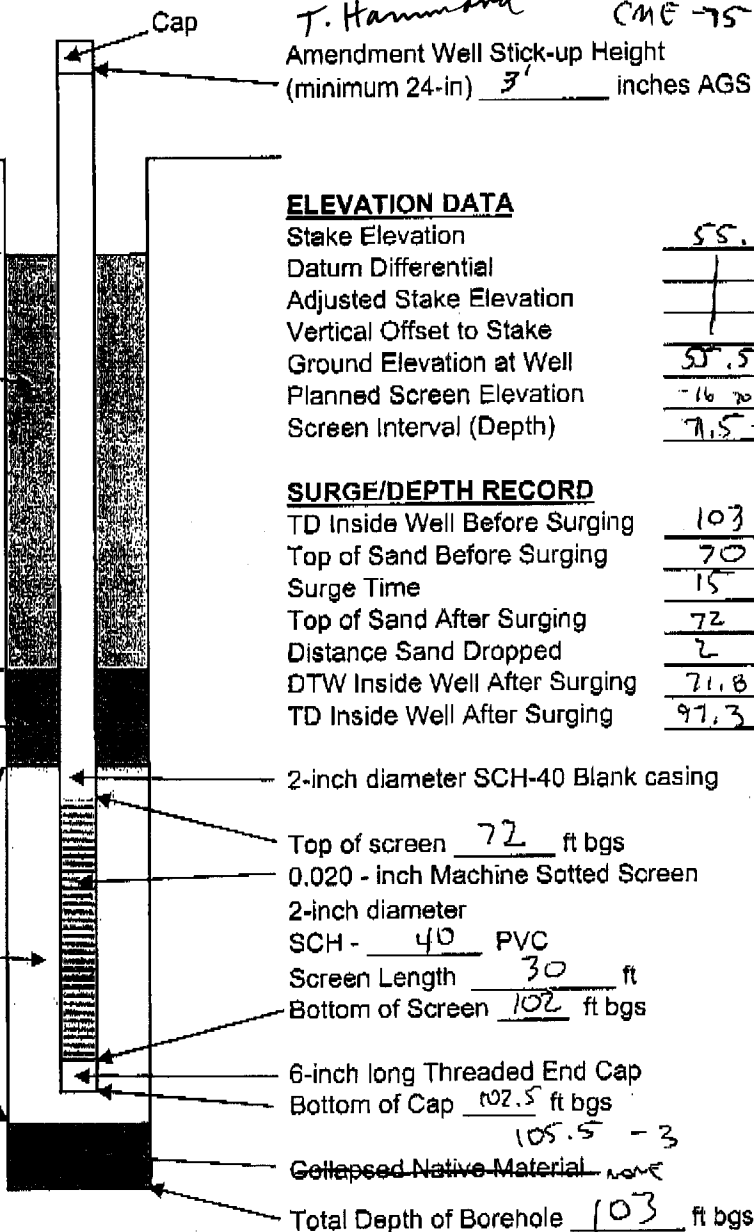
QA/QC: PKS  
 Date: 2/8/05

**ELEVATION DATA**

Stake Elevation	<u>55.58</u>
Datum Differential	<u>+</u>
Adjusted Stake Elevation	<u>+</u>
Vertical Offset to Stake	<u>+</u>
Ground Elevation at Well	<u>55.58</u>
Planned Screen Elevation	<u>-16 to -46</u>
Screen Interval (Depth)	<u>7.5 to 101.5</u>

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging	<u>103</u>
Top of Sand Before Surging	<u>70</u>
Surge Time	<u>15</u>
Top of Sand After Surging	<u>72</u>
Distance Sand Dropped	<u>2</u>
DTW Inside Well After Surging	<u>71.8</u>
TD Inside Well After Surging	<u>97.3</u>



**COMMENTS**

M 2/7/05 DTW = 71.0 - 3 = 68.0  
 TD = 95.6 - 3 = 92.6 (DIRTY)

**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AW0122B  
 Start Date/Time: TU 2/8/05 7:45  
 Finish Date/Time: TU 2/8/05 11:50  
 Driller/Rig: T. Hammond ① JORGE GUTIERREZ  
CME-75  
 Amendment Well Stick-up Height  
 (minimum 24-in) 3.5 inches AGS

Ground Surface

Cap

Cement/Bentonite Grout  
 Top of grout after 24 hr: 3 ft bgs  
 Cement/Bentonite Grout Annular Seal  
 Filled to 5 ft bgs  
 Volume Placed 275 gal. ✓  
 Density 16 lbs./gal.  
 Tremie Pipe Length 60 ft

**ELEVATION DATA**

Stake Elevation	<u>55.06</u> ✓
Datum Differential	
Adjusted Stake Elevation	
Vertical Offset to Stake	
Ground Elevation at Well	<u>55.06</u>
Planned Screen Elevation	<u>-16 TO -46</u>
Screen Interval (Depth)	<u>71 TO 101</u>

Top of bentonite seal 65 ft bgs ✓  
 Bentonite Seal  
 Type 44" TR-30 BENTONITE PELLET  
 Thickness (5 ft min) 5  
 Volume Placed: 2 BUCKETS

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging	<u>103.4 TOC</u>
Top of Sand Before Surging	<u>69</u>
Surge Time	<u>15 MIN</u>
Top of Sand After Surging	<u>70</u>
Distance Sand Dropped	
DTW Inside Well After Surging	<u>71.7</u>
TD Inside Well After Surging	<u>102.5</u>

Top of filter pack 70 ft bgs ✓  
 No.3 Sand Filter Pack  
 Volume Placed 9 bags (ft³)  
 Bottom of filter pack 102.5 ft bgs

2-inch diameter SCH-40 Blank casing

Top of screen 71.5 ft bgs ✓  
 0.020 - inch Machine Sotted Screen  
 2-inch diameter  
 SCH - 40 PVC ✓  
 Screen Length 30 ft ✓  
 Bottom of Screen 101.5 ft bgs ✓

QA/QC: PRS  
 Date: 2/9/05

6-inch long Threaded End Cap ✓  
 Bottom of Cap 102 ft bgs ✓

Collapsed Native Material 0.5 (102.5 - 102)

Total Depth of Borehole 103 ft bgs ✓

8-inch diameter borehole

**COMMENTS**

**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AW0124B  
 Start Date/Time: 12/8/05 12:45  
 Finish Date/Time: 12/9/05  
 Driller/Rig: (1) JUDGE GUNNARSEN  
J. Hammond - CME-75  
 Amendment Well Stick-up Height  
 (minimum 24-in) 3.0 inches AGS

Ground Surface

Cement/Bentonite Grout  
 Top of grout after 24 hr: \_\_\_\_\_ ft bgs

Cement/Bentonite Grout Annular Seal  
 Filled to \_\_\_\_\_ ft bgs  
 Volume Placed \_\_\_\_\_ gal.  
 Density \_\_\_\_\_ lbs./gal.  
 Tremie Pipe Length \_\_\_\_\_ ft

Top of bentonite seal 65 ft bgs  
 Bentonite Seal \_\_\_\_\_  
 Type MEDIUM BENTONITE CEMENT  
 Thickness (5 ft min) 5  
 Volume Placed: 3 bags

Top of filter pack 70 ft bgs  
 No.3 Sand Filter Pack  
 Volume Placed 9 bags (ft<sup>3</sup>)  
 Bottom of filter pack 103 ft bgs

*In-Progress*  
 QA/QC: \_\_\_\_\_  
 Date: \_\_\_\_\_

**ELEVATION DATA**

Stake Elevation	<u>55.26</u>
Datum Differential	
Adjusted Stake Elevation	
Vertical Offset to Stake	
Ground Elevation at Well	<u>55.26</u>
Planned Screen Elevation	<u>-16 to -46</u>
Screen Interval (Depth)	<u>71.5 to 101.5</u>

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging	<u>103 (TOC)</u>
Top of Sand Before Surging	<u>70</u>
Surge Time	<u>15 min</u>
Top of Sand After Surging	<u>71</u>
Distance Sand Dropped	<u>1</u>
DTW Inside Well After Surging	<u>71.4 (TOC)</u>
TD Inside Well After Surging	<u>102 (TOC)</u>

2-inch diameter SCH-40 Blank casing

Top of screen 71.5 ft bgs  
 0.020 - inch Machine Sorted Screen  
 2-inch diameter  
 SCH - 40 PVC  
 Screen Length 30 ft  
 Bottom of Screen 101.5 ft bgs

6-inch long Threaded End Cap  
 Bottom of Cap 102 ft bgs

Collapsed Native Material 103 - 104  
 Total Depth of Borehole 104 ft bgs

8-inch diameter borehole

**COMMENTS**

12/9/05 - 730 AM - ADD WATER BEFORE GRouting



**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AW0126B  
 Start Date/Time: W 2/9/05 14:40  
 Finish Date/Time: Th 2/10/05 11:15  
 Driller/Rig: T. Hammond ② IGNACIO GUTIERREZ  
CME-75  
 Amendment Well Stick-up Height  
 (minimum 24-in) 1.5' inches AGS

**ELEVATION DATA**

Stake Elevation	<u>55.22</u>
Datum Differential	<u>          </u>
Adjusted Stake Elevation	<u>          </u>
Vertical Offset to Stake	<u>          </u>
Ground Elevation at Well	<u>55.22</u>
Planned Screen Elevation	<u>-16 to -46</u>
Screen Interval (Depth)	<u>71 to 101</u>

ADJUST DOWN 73-11

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging	<u>105</u>
Top of Sand Before Surging	<u>71.5</u>
Surge Time	<u>15</u>
Top of Sand After Surging	<u>74</u>
Distance Sand Dropped	<u>2.5</u>
DTW Inside Well After Surging	<u>70.99 (TUC)</u>
TD Inside Well After Surging	<u>101.76 (TUC)</u>

2-inch diameter SCH-40 Blank casing

Top of screen 73.5 ft bgs

0.020 - inch Machine Sotted Screen

2-inch diameter  
 SCH - 40 PVC

Screen Length 30 ft

Bottom of Screen 103.5 ft bgs

6-inch long Threaded End Cap

Bottom of Cap 104 ft bgs

Collapsed Native Material 104-105

Total Depth of Borehole 105 ft bgs

8-inch diameter borehole

Cement/Bentonite Grout  
 Top of grout after 24 hr:            ft bgs

Cement/Bentonite Grout Annular Seal  
 Filled to 3 ft bgs  
 Volume Placed 200 gal.  
 Density 16 lbs./gal.  
 Tremie Pipe Length 60 ft

Top of bentonite seal 66.5 ft bgs  
 Bentonite Seal             
 Type MEDIUM BENTONITE CHIPS  
 Thickness (5 ft min) 5  
 Volume Placed: 3 BAGS

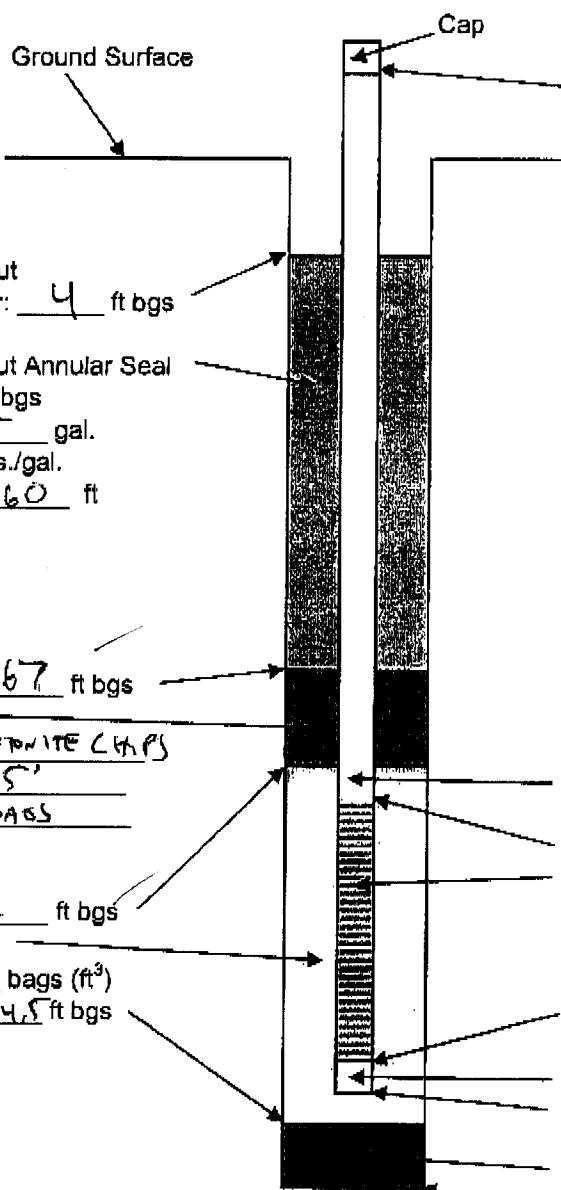
Top of filter pack 71.5 ft bgs  
 No.3 Sand Filter Pack  
 Volume Placed 9 bags (ft<sup>3</sup>)  
 Bottom of filter pack 104 ft bgs

QA/QC:             
 Date: 2/16/05

**COMMENTS**

**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AW01270B  
 Start Date/Time: W 2/9/05 855  
 Finish Date/Time: W 2/9/05 1420  
 Driller/Rig: ② IGNACIO GUTIERREZ  
T. Hammond  
 Amendment Well Stick-up Height  
 (minimum 24-in) 1.0 inches AGS



Cement/Bentonite Grout  
 Top of grout after 24 hr: 4 ft bgs  
 Cement/Bentonite Grout Annular Seal  
 Filled to 0 ft bgs  
 Volume Placed 225 gal.  
 Density 16 lbs./gal.  
 Tremie Pipe Length 60 ft

Top of bentonite seal 67 ft bgs  
 Bentonite Seal  
 Type MEDIUM BENTONITE CLAYS  
 Thickness (5 ft min) 5'  
 Volume Placed: 3685

Top of filter pack 72 ft bgs  
 No. 3 Sand Filter Pack  
 Volume Placed 5 bags (ft<sup>3</sup>)  
 Bottom of filter pack 94.5 ft bgs

QA/QC: PR  
 Date: 2/11/05

**ELEVATION DATA**

Stake Elevation	<u>55.94</u>
Datum Differential	
Adjusted Stake Elevation	
Vertical Offset to Stake	
Ground Elevation at Well	<u>55.94</u>
Planned Screen Elevation	<u>-16 to -36</u>
Screen Interval (Depth)	<u>72 to 92</u>
Adjust Down	<u>23-93</u>

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging	<u>94.5 (100)</u>
Top of Sand Before Surging	<u>72</u>
Surge Time	<u>15 min</u>
Top of Sand After Surging	<u>74</u>
Distance Sand Dropped	<u>2</u>
DTW Inside Well After Surging	<u>71.7 (100)</u>
TD Inside Well After Surging	<u>91.3 (100)</u>

2-inch diameter SCH-40 Blank casing

Top of screen 74 ft bgs ✓  
 0.020-inch Machine Sotted Screen

2-inch diameter  
 SCH - 90 PVC  
 Screen Length 20 ft ✓

Bottom of Screen 104 ft bgs  
94

6-inch long Threaded End Cap  
 Bottom of Cap 104.5 ft bgs  
94.5  
 $95.5 - 1 = 94.5$   
 $105.5 - 1 = 104.5$

Collapsed Native Material  
None

Total Depth of Borehole 104.5 ft bgs  
94.5

**COMMENTS**

8-inch diameter borehole

Th 2/10/05 8:25 DTW = 69.9 - 1.0 = 68.9

TD = 89.65 - 1.0 = 88.65

**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AWD168LB  
 Start Date/Time: 11/2/05 14:00  
 Finish Date/Time: 11/7/05 18:30  
 Driller/Rig: T. Hammond IGNACIO GUTIERREZ  
 Amendment Well Stick-up Height  
 (minimum 24-in) 3 inches AGS

Cement/Bentonite Grout  
 Top of grout after 24 hr: 20' ft bgs  
☐ top off to 4'  
 Cement/Bentonite Grout Annular Seal  
 Filled to 4 ft bgs  
 Volume Placed 100 + 50 gal. 250  
 Density 16 lbs./gal.  
 Tremie Pipe Length 60 ft

Top of bentonite seal 85 ft bgs  
 Bentonite Seal  
 Type 1/4" MC-30 Bentonite Anlets  
 Thickness (5 ft min) 5  
 Volume Placed: 2 Buckets

Top of filter pack 90 ft bgs  
 No.3 Sand Filter Pack  
 Volume Placed 3 bags (ft<sup>3</sup>)  
 Bottom of filter pack 103 ft bgs

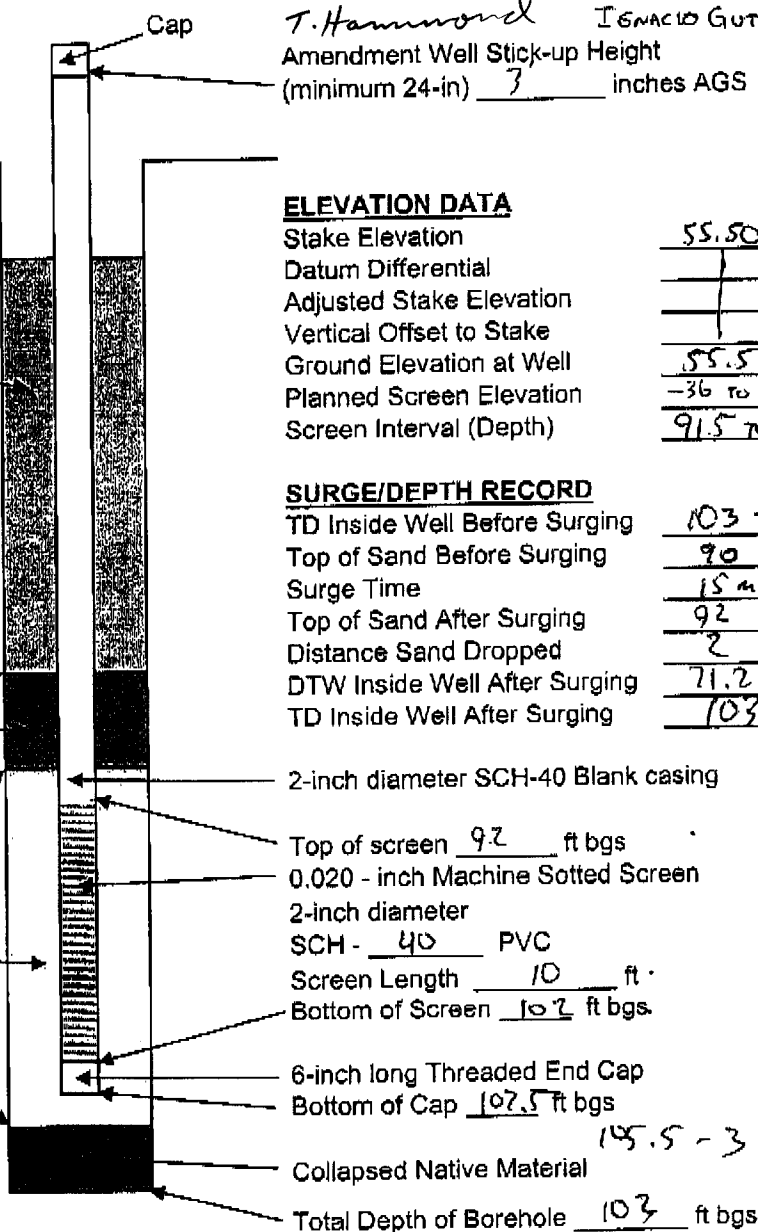
QA/QC: PRS  
 Date: 2/9/05

**ELEVATION DATA**

Stake Elevation	<u>55.50</u>
Datum Differential	<u>0</u>
Adjusted Stake Elevation	<u>55.5</u>
Vertical Offset to Stake	<u>-36 to -46</u>
Ground Elevation at Well	<u>91.5 to 101.5</u>
Planned Screen Elevation	
Screen Interval (Depth)	

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging	<u>103 TOC</u>
Top of Sand Before Surging	<u>90</u>
Surge Time	<u>15 min</u>
Top of Sand After Surging	<u>92</u>
Distance Sand Dropped	<u>2</u>
DTW Inside Well After Surging	<u>71.25 TOC</u>
TD Inside Well After Surging	<u>103 TOC</u>



**COMMENTS**

To 2/8/05 DTW = 71.05 (TOC) - 3.0 = 68.05  
 TD = 102.8 (TOC) - 3.0 = 99.8  
 MEASURING TAPE IS WARM  
 DUE TO GROUT CURING



1<sup>ST</sup> Attempt

**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AW0170LB  
Start Date/Time: F 2/4/05 8:00  
Finish Date/Time: RE-DO  
Driller/Rig: T.H. ① JORGE GUTIERREZ  
CME-75

Amendment Well Stick-up Height  
(minimum 24-in) \_\_\_\_\_ inches AGS

**ELEVATION DATA**

Stake Elevation	<u>55.53</u>
Datum Differential	<u>0</u>
Adjusted Stake Elevation	<u>55.53</u>
Vertical Offset to Stake	<u>0</u>
Ground Elevation at Well	<u>55.53</u>
Planned Screen Elevation	<u>-36 TO -46</u>
Screen Interval (Depth)	<u>91.5 TO 101.5</u>

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging	<u>DID NOT SURGE</u>
Top of Sand Before Surging	<u>BEFORE ADDING</u>
Surge Time	<u>PELLETS</u>
Top of Sand After Surging	_____
Distance Sand Dropped	_____
DTW Inside Well After Surging	_____
TD Inside Well After Surging	_____

Cement/Bentonite Grout  
Top of grout after 24 hr: \_\_\_\_\_ ft bgs

Cement/Bentonite Grout Annular Seal  
Filled to \_\_\_\_\_ ft bgs  
Volume Placed \_\_\_\_\_ gal.  
Density \_\_\_\_\_ lbs./gal.  
Tremie Pipe Length \_\_\_\_\_ ft

Top of bentonite seal \_\_\_\_\_ ft bgs  
Bentonite Seal  
Type 1/4" TR-30 PELLETS  
Thickness (5 ft min) \_\_\_\_\_  
Volume Placed: 3 BUCKETS 2 BUCKETS  
+ 1/2 THAT BRIDGED

Top of filter pack 90 ft bgs  
No.3 Sand Filter Pack  
Volume Placed 3 bags (ft<sup>3</sup>)  
Bottom of filter pack 102 ft bgs

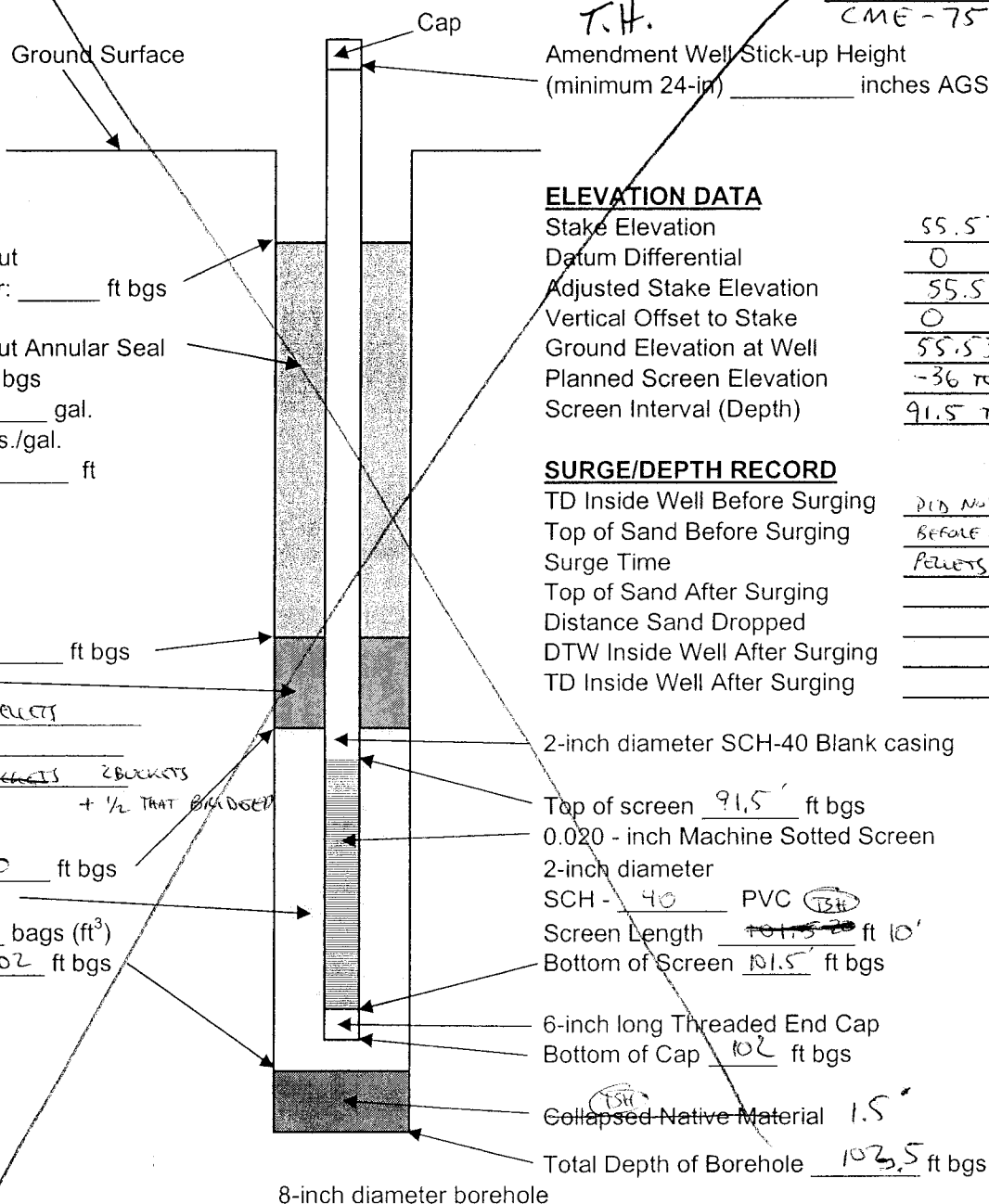
QA/QC: PRS  
Date: 2/7/05

**COMMENTS**

DRILLER FORGOT TO SURGE BEFORE ADDING PELLETS

1215 LAST 1/2 BUCKET OF PELLETS BRIDGED. PULLED ANGERS & THE BOREHOLE @ 70'

1330 REDO WELL - PULL CASING & RE-DRILL





**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AW0170LB  
Start Date/Time: F 2/4/05 13:45 - REDO  
Finish Date/Time: \_\_\_\_\_  
Driller/Rig: T.H.  
① JOSE GONZALEZ  
CNC-75

*2<sup>nd</sup> Attempt*

Amendment Well Stick-up Height  
(minimum 24-in) \_\_\_\_\_ inches AGS

**ELEVATION DATA**

Stake Elevation	<u>55.53</u>
Datum Differential	<u>0</u>
Adjusted Stake Elevation	<u>55.53</u>
Vertical Offset to Stake	<u>0</u>
Ground Elevation at Well	<u>55.53</u>
Planned Screen Elevation	<u>-36 to -46</u>
Screen Interval (Depth)	<u>91.5 to 101.5</u>

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging	<u>104 (TOC)</u>
Top of Sand Before Surging	<u>90</u>
Surge Time	<u>15 min</u>
Top of Sand After Surging	_____
Distance Sand Dropped	_____
DTW Inside Well After Surging	<u>64.03 TOC</u>
TD Inside Well After Surging	<u>101.3 TOC</u>

TOC - 3.0  
2.8

2-inch diameter SCH-40 Blank casing

Top of screen 91.5 ft bgs  
0.020 - inch Machine Sotted Screen  
2-inch diameter  
SCH - 40 PVC  
Screen Length 10 ft  
Bottom of Screen 101.5 ft bgs

6-inch long Threaded End Cap  
Bottom of Cap 102 ft bgs

Collapsed Native Material

Total Depth of Borehole 103 ft bgs

8-inch diameter borehole

Cement/Bentonite Grout  
Top of grout after 24 hr: \_\_\_\_\_ ft bgs

Cement/Bentonite Grout Annular Seal  
Filled to \_\_\_\_\_ ft bgs  
Volume Placed \_\_\_\_\_ gal.  
Density \_\_\_\_\_ lbs./gal.  
Tremie Pipe Length \_\_\_\_\_ ft

Top of bentonite seal \_\_\_\_\_ ft bgs  
Bentonite Seal  
Type \_\_\_\_\_  
Thickness (5 ft min) \_\_\_\_\_  
Volume Placed: \_\_\_\_\_

Top of filter pack \_\_\_\_\_ ft bgs  
No.3 Sand Filter Pack  
Volume Placed 3 bags (ft<sup>3</sup>)  
Bottom of filter pack 102 ft bgs

QA/QC: PRS  
Date: 2/7/05

**COMMENTS**

SAND BRIDGED AT 72' - REDO

PULL WELL & AUGER

LEAD AUGER WAS PLUGGED W/ MUD & SAND



**Well Construction Record**  
**Parcel C Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

Well ID: AW0170413  
Start Date/Time: SA 2/5/05 7:00  
Finish Date/Time: SA 2/5/05 1400  
Driller/Rig: ① JOSE SURMEREZ  
T.H. CME-75

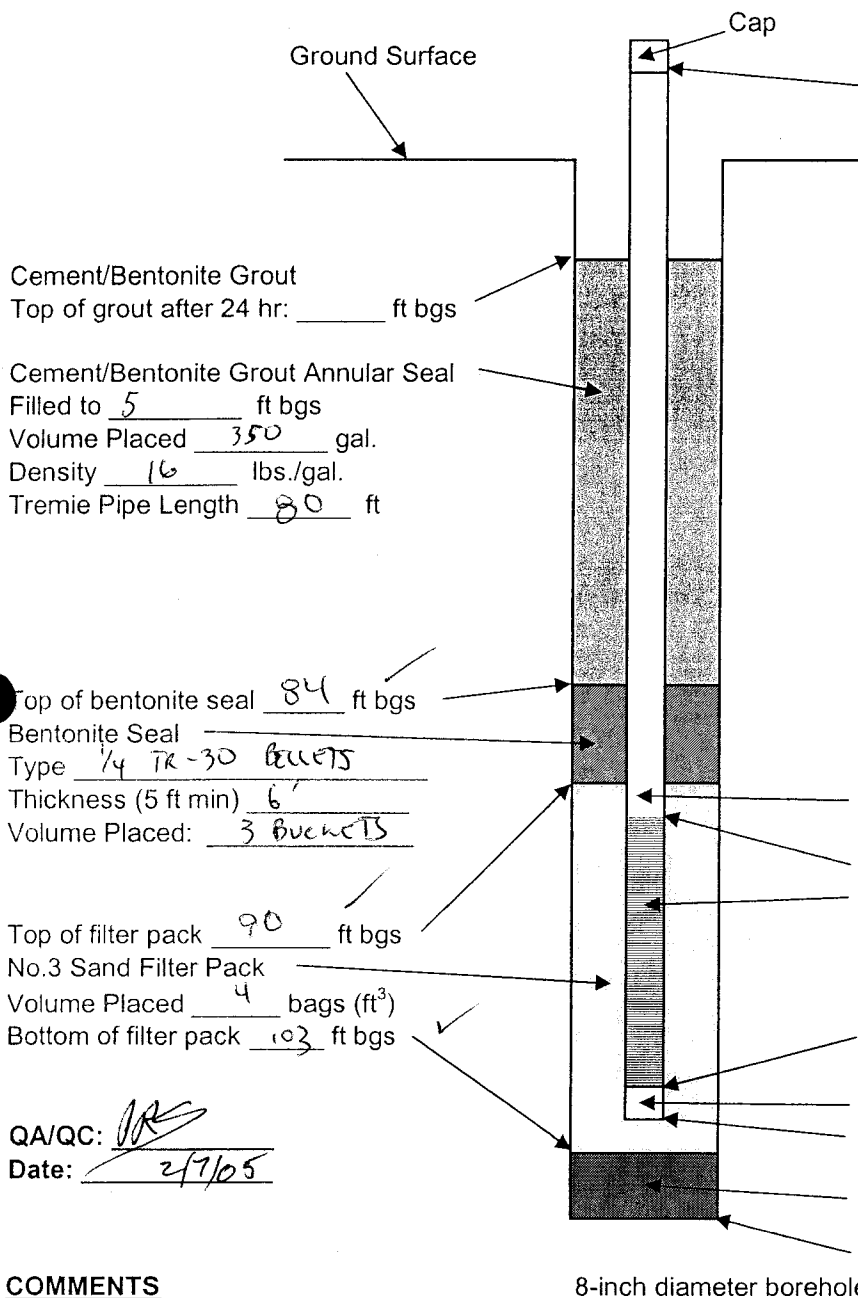
Amendment Well Stick-up Height  
(minimum 24-in) 40 inches AGS  
42" (3.5')

**ELEVATION DATA**

Stake Elevation	<u>55.53</u> ✓
Datum Differential	<u>0</u>
Adjusted Stake Elevation	<u>55.53</u>
Vertical Offset to Stake	<u>0</u>
Ground Elevation at Well	<u>55.53</u>
Planned Screen Elevation	<u>-36.10 - 46</u>
Screen Interval (Depth)	<u>91.5 to 101.5</u> ✓

**SURGE/DEPTH RECORD**

TD Inside Well Before Surging	<u>NM</u>
Top of Sand Before Surging	<u>90</u>
Surge Time	<u>15 min</u>
Top of Sand After Surging	<u>90</u>
Distance Sand Dropped	<u>0</u>
DTW Inside Well After Surging	<u>67.85</u>
TD Inside Well After Surging	<u>101.4</u>



QA/QC: [Signature]  
Date: 2/7/05

**COMMENTS**

☐ WATCH THIS WELL CLOSELY DURING DEVELOPMENT. IT WAS RE-INSTALLED 3 TIMES.

**Attachment E**

**Tailgate Safety Meeting Reports, Site Access Logs,  
and Records of Field Monitoring**

## Tailgate Safety Meeting Report

The Tailgate Safety Meeting is to supply Haley & Aldrich staff information regarding potential hazards that may be encountered at the site.

Starting Drilling of VMW + AW on Pad for Phase III

Observations of unsafe work practices/conditions that have developed since previous meeting:

Drill rigs will have adequate safety spacing.  
Look out for Trenches and other contractors in drill rig area

Location of (or changes in the location of) evacuation routes/safe refuge areas: Open Trenches  
MS is done digging but ICS will be excavating.

Additional Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Attendees signatures below indicate that they have attended a briefing on the requirements of the Haley & Aldrich, Inc. Health & Safety Plan for the on-site work tasks, and declare that they understand the provisions and procedures set forth herein while working on this site.

Name (printed)	Signature	Company
<u>Paul Sones</u>	<u>Paul R. Sones</u>	<u>H&amp;A</u>
<u>Dave Harper</u>	<u>Dave Harper</u>	<u>MS</u>
<u>Jesus Cosio</u>	<u>Jesus Cosio</u>	<u>ICS</u>
<u>Leopoldo Fernandez</u>	<u>Leopoldo Fernandez</u>	<u>A.C.I.</u>
<u>Javier Sanchez</u>	<u>Javier Sanchez</u>	<u>ACI</u>
<u>MIKE TWEET</u>	<u>Mike Sweet</u>	<u>Not Cal Eng.</u>
<u>JUAN JASSO</u>	<u>Juan Jasso</u>	<u>ACI</u>
<u>Kevin Kennedy</u>	<u>Kevin Kennedy</u>	<u>ACI</u>
<u>Steve Fricke</u>	<u>Steve Fricke</u>	<u>PHS</u>
<u>Stephen Parker</u>	<u>Stephen Parker</u>	<u>WDC</u>
<u>Ignacio Gutierrez</u>	<u>Ignacio Gutierrez</u>	<u>WDC</u>
<u>Sony E. Gutierrez</u>	<u>Sony E. Gutierrez</u>	<u>W.D.C.</u>
<u>John G. Alvarez</u>	<u>John G. Alvarez</u>	<u>WDC</u>
<u>Quinton Hooper</u>	<u>Quinton Hooper</u>	<u>WDC</u>
<u>JAVIER RUOS</u>	<u>Javier Ruos</u>	<u>W.D.C.</u>

Meeting conducted by: Paul Sones / Jeremy Squire

Signature: Paul Sones Jeremy Squire Time: 2/3/05 7:45

DENNIS CARLSON Dennis Carlson Bosman.



## Tailgate Safety Meeting Report

The Tailgate Safety Meeting is to supply Haley & Aldrich staff information regarding potential hazards that may be encountered at the site.

Observations of unsafe work practices/conditions that have developed since previous meeting: \_\_\_\_\_

NONE

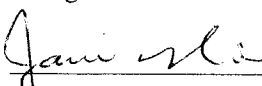
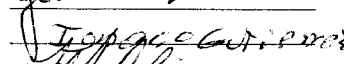
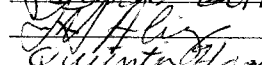
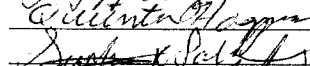
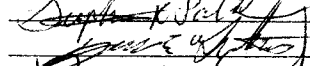
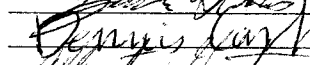
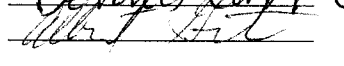

Location of (or changes in the location of) evacuation routes/safe refuge areas: \_\_\_\_\_

MEET @ TRAILER

HOSPITAL near on my DASH

Additional Comments: PPE - CHEMICAL HAZARDS - TCE, HEAVY EQUIPMENT  
HOUSEKEEPING (SOIL/WATER/DEBRIS) BACK UP SPOTTERS

Attendees signatures below indicate that they have attended a briefing on the requirements of the Haley & Aldrich, Inc. Health & Safety Plan for the on-site work tasks, and declare that they understand the provisions and procedures set forth herein while working on this site.

Name (printed)	Signature	Company
Javier Rios		W.D.C.
Isaac Gutierrez		W.D.C.
Juan G. Alvarez		W.D.C.
Quinton Hoagman		W.D.C.
Stephen Parkes		W.D.C.
Jose E. Gutierrez		W.D.C.
Dennis Carson		BOEING
Albert Grant		W.D.C.

Meeting conducted by: Texas Hammer Title: Engineer

Signature:  Time: F 2/4/05 7:15



# Tailgate Safety Meeting Report

The Tailgate Safety Meeting is to supply Haley & Aldrich staff information regarding potential hazards that may be encountered at the site.

Observations of unsafe work practices/conditions that have developed since previous meeting: \_\_\_\_\_

NAME \_\_\_\_\_

Location of (or changes in the location of) evacuation routes/safe refuge areas:

HOSPITAL MA

## MEETING LOCATIONS - HAMILTON

Additional Comments: RESPONSIBILITY FOR SAFETY, PPE, CHEMICAL HAZARDS - THE  
ITEMS EQUIPMENT, BACKUP / PAD SYSTEM

Attendees signatures below indicate that they have attended a briefing on the requirements of the Haley & Aldrich, Inc. Health & Safety Plan for the on-site work tasks, and declare that they understand the provisions and procedures set forth herein while working on this site.

Name (printed)

Signature

Company

Bob Nix  
Stephen R Parker  
RICHARD HERMANN  
JONAS E. GLOVER  
Javier Rios  
Juan G. Alvarez  
Ignacio Gutierrez  
DENNIS CARLSON

Bob M  
Sept 1 Dile  
Robert Kennedy  
John F. Kennedy  
Gang  
Hux  
F. Lee, G. L. G.  
Dennis C. W.

WDC  
WDC  
WDC  
W.D.C.  
W.D.C.  
WDC  
WDC  
BOEING

Meeting conducted by: Markus Hammond Title: ENGINEER

Signature:  Time: SA 2/5/05 8:00



PROJECT	PHASE 3 AWS
LOCATION	C6 LOT B
CLIENT	BOEING
CONTRACTOR	WDC EXPLORATION

H&A FILE NO.	2882-503
PROJECT MGR.	S. ZACHARY
FIELD REP	T. HARMON
DATE	F 2/4/05

Project Description: BIO REMEDIATION

**Task Description:** *WAC INSTALLATION*

Instrument Type: 1) MINIRAE RUS CLASSIC PID  
(OVA, LEL, PID, etc) 2)

Serial Number: 103 990

**Serial Number:**

Calibration and/or operational check completed as per manufacturers instructions:

☒ Yes☐ No

Time completed: 10/4/05 10.50

SA 2/5/05 Bao on check → 91.2

Weather conditions: F CLEAR & WINDY 70S

[illegible]

### 1. Key to Reading Types:

### Breathing Zone-BZ

### Perimeter-P

### Surface-S

## 2. EPA Levels B, C or D

**Comments:**

**The following information should be maintained for all projects requiring air monitoring.**

## Tailgate Safety Meeting Report

The Tailgate Safety Meeting is to supply Haley & Aldrich staff information regarding potential hazards that may be encountered at the site.

Observations of unsafe work practices/conditions that have developed since previous meeting: \_\_\_\_\_

NONE

Location of (or changes in the location of) evacuation routes/safe refuge areas: \_\_\_\_\_

MEETING TRAILER

HOSPITAL MAP / H & S FOLDER

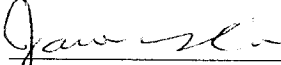
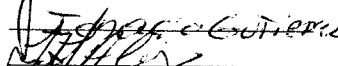
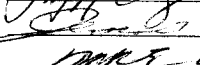

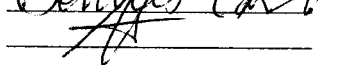
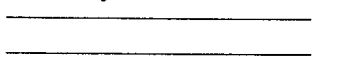


Additional Comments: PPE, CHEMICAL HAZARDS - TCE, HEAVY EQUIPMENT,  
RESPONSIBILITY FOR SAFETY, BACKUP SPOTTER & FORWARD ON PAD

Attendees signatures below indicate that they have attended a briefing on the requirements of the Haley & Aldrich, Inc. Health & Safety Plan for the on-site work tasks, and declare that they understand the provisions and procedures set forth herein while working on this site.

Name (printed)

Signature

Company

Javier Rios		W.D.C.
Ignacio Gutierrez		W.D.C.
Jesus Aguilar		W.D.C.
Jesus Aguilar		W.D.C.
Surge Gutierrez		W.D.C.
Quinton Hooper		W.D.C.
Dennis Carlson		Brown
Giovanna		H&A

Meeting conducted by: TRAVIS HAMMOND Title: EHS

Signature:  Time: 2/7/05



## RECORD OF FIELD MONITORING

Page 1 of 1

PROJECT PHASE 3 AWS  
 LOCATION C6  
 CLIENT BOEING  
 CONTRACTOR WDC

H&A FILE NO. 28882-503  
 PROJECT MGR. S. ZACHARY  
 FIELD REP T. HANMERD  
 DATE M 2/7/05

Project Description: BIO REMEDIATION SYSTEMTask Description: WELL INSTALLATIONInstrument Type: 1) MINIKAE PLUS CLASSIC PIDSerial Number: 103990

(OVA, LEL, PID, etc)

2)

Serial Number:

Calibration and/or operational check completed as per manufacturers instructions:

M 2/7/05 8:25 CLOUDY & BREEZY 50s☒ Yes☐ No CAL CHECK

Time completed:

P 2/8/05 8:35 CLEAR & CALM 60sXCAL CHECK → 99.4

Weather conditions:

Reading Type: <sup>(1)</sup>	Level: (ppm or indicate units)	Time:	PPE Level: <sup>(2)</sup>
M 2/7 ① JORGE BZ/3"	0.1 / 0.6.4	AW0113B 95' 8:40	D
② NACHO BZ/3"	0.1 / 0.1	AW0120B 90' 8:35	D
① JORGE BZ/3"	0.1 / 3.2	AW0022B 20' 12:50	D
① JORGE BZ/3"	0.1 / 0.5	AW0022B 60' 13:50	D
① JORGE BZ/3"	0.1 / 1.6	AW0022B 100' 14:10	D
② NACHO BZ/3"	0.1 / 1.2	AW0168LB 40' 14:20	D
P 2/8 ① JORGE BZ/3"	0.1 / 0.2	AW0122B 80' 8:40	D
② NACHO	0.1 / 2.2	AW0106B 75' 8:37	D
③ MIGUEL	0.1 / 3.1	AW0114B 80' 8:39	D
② NACHO	0.1 / 0.2	AW0119UB 10' 12:30	D
① JORGE	0.1 / 0.1	AW0024B 10' 12:20	D
① JORGE	0.1 / 0.1	AW0124B 25' 12:45	D
② NACHO	0.1 / 0.1	AW0119UB 30' 12:50	D
① JORGE	0.1 / 0.6	AW0124B 50' 13:05	D
② NACHO	0.1 / 1.2	AW0119B 40' 13:07	D
① JORGE	0.1 / 1.4	AW0124B 60' 14:00	D
② NACHO	0.1 / 0.7	AW0119B 65' 14:00	D
① JORGE	0.1 / 0.6.0	AW0124B 80' 14:20	D
② NACHO	0.1 / 0.9	AW0119B 75' 14:25	D

## 1. Key to Reading Types:

Breathing Zone-BZ  
 Perimeter-P  
 Surface-S

## 2. EPA Levels B, C or D

## Comments:

The following information should be maintained for all projects requiring air monitoring.



## Tailgate Safety Meeting Report

The Tailgate Safety Meeting is to supply Haley & Aldrich staff information regarding potential hazards that may be encountered at the site.

Observations of unsafe work practices/conditions that have developed since previous meeting: \_\_\_\_\_

NONE

Location of (or changes in the location of) evacuation routes/safe refuge areas: \_\_\_\_\_

MEET @ TRAILER IN AN EMERGENCY

H&S FOLDER ON MY DASH - HOSPITAL MAP, EMERGENCY CONTACTS

Additional Comments: PPE, CHEMICAL HAZARDS - TCE, HEAVY EQUIPMENT ON SITE,  
RESPONSIBILITY FOR SAFETY, BACKUP SPOTTERS & PAD SPOTTERS, PAD DROPOFF  
QUIZ TIME

Attendees signatures below indicate that they have attended a briefing on the requirements of the Haley & Aldrich, Inc. Health & Safety Plan for the on-site work tasks, and declare that they understand the provisions and procedures set forth herein while working on this site.

Name (printed)	Signature	Company
IGNACIO GUTIERREZ		WDC
John G. Miller		WDC
Savior Kios		W.D.C.
Joseph Gutierrez		WDC
Jesus Aguirre		W.D.C.
Quentin Haeggen		WDC
Marwan Rasli		WDC
Miguel Alvarado		W.D.C.
VICTOR ZERMENO		W.D.C.
JEREMY SOVIRE		HEA
DENNIS CARLSON		BOEING

Meeting conducted by: TRAVIS HAMMOND Title: ENGINEER

Signature: Time: TU 2/8/05 7:15



## Tailgate Safety Meeting Report

The Tailgate Safety Meeting is to supply Haley & Aldrich staff information regarding potential hazards that may be encountered at the site.

Observations of unsafe work practices/conditions that have developed since previous meeting: \_\_\_\_\_

NONE

Location of (or changes in the location of) evacuation routes/safe refuge areas: \_\_\_\_\_

MEET @ TRAILER

HOSPITAL MAP

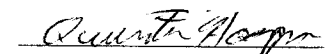
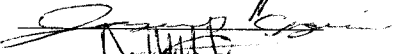

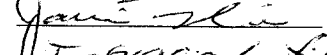
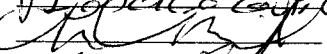
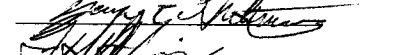
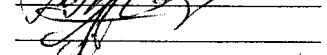

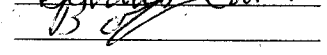
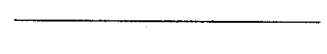

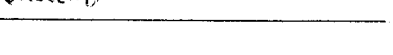

Additional Comments: PPE, CHEMICAL HAZARDS - TCE, HEAVY EQUIPMENT, HOUSEKEEPING, BACKUP SPILLERS

Attendees signatures below indicate that they have attended a briefing on the requirements of the Haley & Aldrich, Inc. Health & Safety Plan for the on-site work tasks, and declare that they understand the provisions and procedures set forth herein while working on this site.

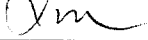
Name (printed)

Signature

Company

Quintin Hoegema		WDC
JESUS IGUERE		W.D.C.
Miguel Alvarado		W.D.C.
VICTOR ZERMENO		W.D.C.
Javier Rios		W.D.C.
Ignacio G. Prieto		W.D.C.
Manwan Rashid		W.D.C.
Serge E. Gutierrez		W.D.C.
Juan G. Alvarez		W.D.C.
Sergio Pacheco		H&A
Julian Nadd		W.D.C.
DENNIS CARLSON		W.D.C.
Bob Nix		W.D.C.

Meeting conducted by: DENNIS HANNECO Title: EN S WDC

Signature:  Time: W 2/9/05 7:15

**Site Access Log**  
**Water Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

DATE: W 2/9/05

Page        of       

This Site Access Log is to be signed by all visitors to the Site.

Visitor signatures below indicate that they are aware that this is an active construction site and that they have been briefed by the Haley & Aldrich, Inc. Health & Safety Coordinator as to the potential risks and dangers associated with the Site. All visitors to work areas on the Site must wear hard hats, safety glasses, and steel-toed boots while visiting this Site.

Name (printed)	Signature	Company/Time In and Out
Quinton Haggard	Quinton Hagg	WDC 7:00
Miguel Alvarado	<del>Miguel Alvarado</del>	WDC 7:00
Jesus Aguirre	Jesus Aguirre	WDC 7:00
Javier Trias	Javier Trias	WDC 7:00
Ignacio Gomez	Ignacio Gomez	WDC 7:00
Marwan Rashid	Marwan Rashid	WDC 7:00
Vitor Ferreira	Vitor Ferreira	WDC 7:00
Juan C. Alvarez	Juan C. Alvarez	WDC 7:00
Sinde Gurne	Sinde Gurne	WDC 7:00
Scott Fawcett	Scott Fawcett	N/A
Patrick Keddington	Patrick Keddington	N/A
PENNIS CARLSON	Pennis Carlson	BOSING
Bob Nix	Bob Nix	WDC

PROJECT	PHASE 3 AWD
LOCATION	CG
CLIENT	BOEING
CONTRACTOR	WDC

H&A FILE NO.	28882-503
PROJECT MGR.	S. ZACHARY
FIELD REP	T. HAMMOND
DATE	W 2/9/05

Project Description: BIOREMEDIATION SYSTEM

Task Description: WELL INSTALLATION

Instrument Type: 1) MINIRAE PROS CLASSIC PID  
(OVA, LEL, PID, etc) 2)

Serial Number: 103990  
Serial Number:

Calibration and/or operational check completed as per manufacturers instructions:

☒ Yes ☐ No

Time completed:

Weather conditions:

[illegible]

### 1. Key to Reading Types:

Breathing Zone-BZ  
Perimeter-P  
Surface-S

2. EPA Levels B, C or D

Comments:

The following information should be maintained for all projects requiring air monitoring.

## Tailgate Safety Meeting Report

The Tailgate Safety Meeting is to supply Haley & Aldrich staff information regarding potential hazards that may be encountered at the site.

Observations of unsafe work practices/conditions that have developed since previous meeting: \_\_\_\_\_

NONE

PREP FOR RAIN TOMORROW

Location of (or changes in the location of) evacuation routes/safe refuge areas: \_\_\_\_\_

MEETING LOCATION OUTSIDE GATE

HOSPITAL MAP ON MY DASH

SITE ADDRESS

Additional Comments: PPE, CHEMICAL HAZARDS - TCE, HEAVY EQUIPMENT, BACKUP SPOTTERS & PAD SPOTTERS, WATCH DROP-OFFS @ PAD EDGE, ALL SOIL BINS NO MORE THAN 2/3 FULL, DECON WATER MUST BE CAPTURED INTO DUMPS & PUMPED TO POLY TANK, AIR MONITORING

Attendees signatures below indicate that they have attended a briefing on the requirements of the Haley & Aldrich, Inc. Health & Safety Plan for the on-site work tasks, and declare that they understand the provisions and procedures set forth herein while working on this site.

Name (printed)	Signature	Company
Quentin Hammond	<i>Quentin Hammond</i>	WDC
Javier Rios	<i>Javier Rios</i>	W.D.C.
Michael Alvarado	<i>Michael Alvarado</i>	W.D.C.
SOMER E. GUTIERREZ	<i>Somer E. Gutierrez</i>	W.D.C.
VICTOR CARRERA	<i>Victor Carrera</i>	W.D.C.
PAUL H. HARRIS	<i>Paul H. Harris</i>	W.D.C.
RICHARD HERNANDEZ	<i>Richard Hernandez</i>	WDC
IGNACIO GUTIERREZ	<i>Ignacio Gutierrez</i>	WDC 9:00
JULIO AGUIRRE	<i>Julio Aguirre</i>	WDC 7:00
Marvin Rios	<i>Marvin Rios</i>	W.D.C.
John L. Alvarez	<i>John L. Alvarez</i>	WDC 7:00
Glenn Androsko	<i>Glenn Androsko</i>	HHA
Edmund C. Dwyer	<i>Edmund C. Dwyer</i>	W.D.C.
DENNIS CARLSON	<i>Dennis Carlson</i>	BOWEN
Bob Nix	<i>Bob Nix</i>	W.D.C.

Meeting conducted by: THOMAS HAMMOND Title: ENGINEER

Signature: *TH* Time: TH 2/10/05

**Site Access Log**  
**Water Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

DATE: Th 2/10/05

Page 1 of 1

This Site Access Log is to be signed by all visitors to the Site.

Visitor signatures below indicate that they are aware that this is an active construction site and that they have been briefed by the Haley & Aldrich, Inc. Health & Safety Coordinator as to the potential risks and dangers associated with the Site. All visitors to work areas on the Site must wear hard hats, safety glasses, and steel-toed boots while visiting this Site.

Name (printed)	Signature	Company/Time In and Out
Quinton Hoeghna	Q Hoeghna	WPC 7:00
Javier Rios	Javier Rios	W.D.C. 7:00 am
Miguel Alvarado	Miguel Alvarado	W.D.C. 7 am
John E. Givillone	John E. Givillone	W.D.C.
VICTOR ZERMENO	VICTOR ZERMENO	W.D.C.
Paul Alvarado	Paul Alvarado	W.D.C.
EDUARDO HERNANDEZ	Eduardo Hernandez	W.D.C.
Isaac O. Gutierrez	Isaac O. Gutierrez	W.D.C.
Jesús Pagan	Jesús Pagan	W.D.C.
Markus Pagan	Markus Pagan	W.D.C.
Chris G. Alvarez	Chris G. Alvarez	W.D.C.
Glenn Anderson	Glenn Anderson	W.D.C.
Edmund O'Dwyer	Edmund O'Dwyer	W.D.C.
DENNIS CARLSON	Dennis Carlson	W.D.C.
Bob Nix	Bob Nix	W.D.C.

H&A FILE NO.	28882-503
PROJECT MGR.	S ZACHARY
FIELD REP	T. HAMMONS
DATE	Th 2/10/05

**Serial Number:**

☒ Yes ☐ No

Weather conditions: Cloudy & calm 55°

**Comments:**

**BOE-C6-0051391**



PROJECT	Phase 3 AW's
LOCATION	Boeing C-6
CLIENT	Boeing
CONTRACTOR	WOC

H&A FILE NO.	28882-503
PROJECT MGR.	S. Zachary
FIELD REP	Glenn Andrusko
DATE	2-10-03

Project Description: Bio remediation system

Task Description: well installation

Instrument Type: 1) Min. RAE 2000 Serial Number: 4049  
(OVA, LEL, PID, etc) 2) \_\_\_\_\_ Serial Number: \_\_\_\_\_

Calibration and/or operational check completed as per manufacturers instructions: ☒ Yes ☐ No

Time completed: 2-10-05/0815 100ppm Iso.

Weather conditions: Cloudy 65°

[illegible]

### 1. Key to Reading Types:

### Breathing Zone-BZ

### Perimeter-P

### Surface-S

## 2. EPA Levels B, C or D

Comments:

**The following information should be maintained for all projects requiring air monitoring.**

## Tailgate Safety Meeting Report

The Tailgate Safety Meeting is to supply Haley & Aldrich staff information regarding potential hazards that may be encountered at the site.

Observations of unsafe work practices/conditions that have developed since previous meeting: \_\_\_\_\_

NONE

Location of (or changes in the location of) evacuation routes/safe refuge areas: \_\_\_\_\_

MEET OUTSIDE GATE

HOSPITAL MAP

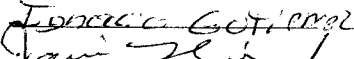
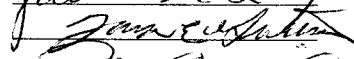
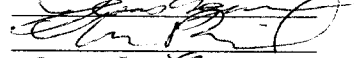
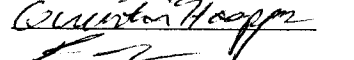

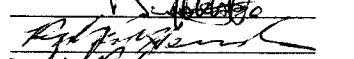
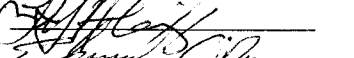
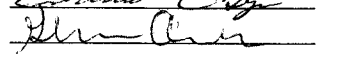
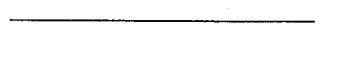

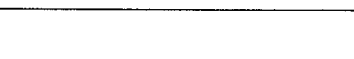
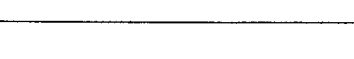

Additional Comments: PPE, CHEMICAL HAZARDS - ICE, SLIPPERY ROAD, SLOW PULL,  
NO RUTS IN PAD, HOUSEKEEPING (WIND)

Attendees signatures below indicate that they have attended a briefing on the requirements of the Haley & Aldrich, Inc. Health & Safety Plan for the on-site work tasks, and declare that they understand the provisions and procedures set forth herein while working on this site.

Name (printed)

Signature

Company

José Luis Gutierrez		WDC
Javier Rios		W.D.C.
James Gutierrez		W.D.C.
Jesus Aguirre		WDC
Markon Rios		W.D.C.
Quinton Hooper		WDC
Paul Almaguer		WDC
VICTOR REYES		W.D.C.
Miguel Alvarado		W.D.C.
EDUARDO HERNANDEZ		WDC
John G. Alvarez		WDC
Edmund O'Dwyer		W.D.C.
Glenn Androsko		H&A

Meeting conducted by:  Title: Env.

Signature: Travis Hannon Time: F 2/11/05

**Site Access Log**  
**Water Remediation Well ID# 06-07**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

DATE: 4/2/14/05

Page 1 of 1

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Name (printed)	Signature	Company/Time In and Out
Jonas Gutierrez	Jonas Gutierrez	WPC
Javier Rios	Javier Rios	W.D.C.
Jesus Aguirre	Jesus Aguirre	WPC
Marwan Rashid	Marwan Rashid	W.D.C.
Quintin Haggren	Quintin Haggren	WPC
Paul Almogren	Paul Almogren	W.D.C.
VICTOR FERNANDO	VICTOR FERNANDO	W.D.C.
Miguel Alvarado	Miguel Alvarado	W.D.C.
John G. Alvarez	John G. Alvarez	WPC
Edmund O. Duran	Edmund O. Duran	WPC
Glenn Androsku	Glenn Androsku	HIT
Jeff Kessler	Jeff Kessler	WPC

## Tailgate Safety Meeting Report

The Tailgate Safety Meeting is to supply Haley & Aldrich staff information regarding potential hazards that may be encountered at the site.

Observations of unsafe work practices/conditions that have developed since previous meeting: \_\_\_\_\_

Location of (or changes in the location of) evacuation routes/safe refuge areas: \_\_\_\_\_

*Evacuation is to just outside front gate*

Additional Comments: *Discussed potentially slippery conditions in areas still wet from rain. Also, let me know if any orders from VCC's noted while drilling*

Attendees signatures below indicate that they have attended a briefing on the requirements of the Haley & Aldrich, Inc. Health & Safety Plan for the on-site work tasks, and declare that they understand the provisions and procedures set forth herein while working on this site.

Name (printed)	Signature	Company
<i>Donna E. Gaborra</i>	<i>[Signature]</i>	<i>WDC</i>
<i>Stephen R. Parker</i>	<i>[Signature]</i>	<i>WDC</i>
<i>Albert Grant</i>	<i>[Signature]</i>	<i>WDC</i>
<i>Dennis Carlson</i>	<i>[Signature]</i>	<i>WDC</i>
<i>Bob Nix</i>	<i>[Signature]</i>	<i>WDC</i>

Meeting conducted by: *[Signature]* Title: *Sr Geologist*

Signature: *[Signature]* Date/Time: *04 30 2/17/05*



## Tailgate Safety Meeting Report

The Tailgate Safety Meeting is to supply Haley & Aldrich staff information regarding potential hazards that may be encountered at the site.

Observations of unsafe work practices/conditions that have developed since previous meeting: \_\_\_\_\_

NONE

Location of (or changes in the location of) evacuation routes/safe refuge areas: \_\_\_\_\_

NO CHANGE (REST DAY)

MEET OUTSIDE GATES

ASPIRE MAP

Additional Comments: PPE, CHEMICAL HAZARDS - TCE, MUDDY SITE CONDITIONS

Attendees signatures below indicate that they have attended a briefing on the requirements of the Haley & Aldrich, Inc. Health & Safety Plan for the on-site work tasks, and declare that they understand the provisions and procedures set forth herein while working on this site.

Name (printed)

Signature

Company

Jason Pottroff  
DENNIS CARLSON

Jason Pottroff  
Dennis Carlson

W.D.C.  
BOEING

Meeting conducted by: JAMES HANCOCK Title: CWS

Signature: [Signature] Date/Time: TC 3/1/05

## Tailgate Safety Meeting Report

The Tailgate Safety Meeting is to supply Haley & Aldrich staff information regarding potential hazards that may be encountered at the site.

Observations of unsafe work practices/conditions that have developed since previous meeting: \_\_\_\_\_

NONE

Location of (or changes in the location of) evacuation routes/safe refuge areas: \_\_\_\_\_

MEET OUTSIDE GATE IN AN EMERGENCY

H&A BLDG ON DASH - HOSPITAL MAP/EMERGENCY CONTACTS

SITE ADDRESS

Additional Comments: PPE REQUIRED, CHEMICAL HAZARDS - TCE, HOUSEKEEPING, BACKUP STROTTERS, BACKUP SAFETY, HEAVY EQUIPMENT

MUD, TRASH  
WATER

Attendees signatures below indicate that they have attended a briefing on the requirements of the Haley & Aldrich, Inc. Health & Safety Plan for the on-site work tasks, and declare that they understand the provisions and procedures set forth herein while working on this site.

Name (printed)

Signature

Company

Steven Huston  
Bob Nix  
Stephen Parker  
Michael Roche  
Michael Butler  
Jason Pottroff  
K. Ramzi  
DENNIS CARLSON  
Eddie Hixson  
Gilberto Martinez  
Ron ZIMMER

Steven Huston  
Stephen Parker  
Michael Roche  
Michael Butler  
Jason Pottroff  
K. Ramzi  
DENNIS CARLSON  
Eddie Hixson  
Gilberto Martinez  
Ron ZIMMER

WDC  
WDC  
WDC  
WDC  
WDC  
WDC  
Haley & Aldrich  
Broomfield  
WDC  
WDC  
H&A

Meeting conducted by: TRAVIS HAMMONS Title: E-61man

Signature: [Signature] Time: W 3/2/05 715

**Site Access Log**  
**Water Remediation Well In**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

DATE: W 3/2/05

Page 1 of 1

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[illegible]



# RECORD OF FIELD MONITORING

Page 1 of 1

PROJECT	CG PH3 AWS	H&A FILE NO.	28682-505
LOCATION	1451 1/2 KNOX ST LA, CA	PROJECT MGR.	S. ZACHARY
CLIENT	BOEING	FIELD REP	T. HAMMOND
CONTRACTOR	WDC	DATE	W 3/2/05

Project Description: BIO AMENDMENT SYSTEM INSTALL

Task Description: WELL INSTALLATION

Instrument Type: 1) MINIRAE 2000 PID - PGM 7600

Serial Number: 4909

(OVA, LEL, PID, etc)

2)

Serial Number:

Calibration and/or operational check completed as per manufacturers instructions:

☒ Yes

☐ No

Time completed:

Th 3/3/05 9:45

Weather conditions:

SA 3/3/05 8:15  
PMTLY CLOUDY & BREEZY 65°

Reading Type: <sup>(1)</sup>	Level: (ppm or indicate units)	Time:	PPE Level: <sup>(2)</sup>
3/2/05 ① BZ / 3"	0.1 / 0.1	8:00	AVOC 85B 20'
① BZ / 3"	0.0 / 0.0	9:15	35B 100'
② BZ / 3"	0.0 / 0.0	11:25	79UB 10'
① BZ / 3"	0.0 / 0.0	12:20	79UB 40'
② BZ / 3"	0.0 / 0.0	13:50	79UB 90'
① BZ / 3"	0.0 / 0.0	15:05	58UB 50'
3/3/05 ① BZ / 3"	0.0 / 0.0	9:50	57UB 30'
① BZ / 3"	0.0 / 0.0	10:20	57UB 80'
② BZ / 3"	0.0 / 0.0	10:45	57UB 90'
① BZ / 3"	0.0 / 0.3	11:40	80UB 25'
② BZ / 3"	0.0 / 0.5	12:00	80UB 35'
② BZ / 3"	0.0 / 1.3	12:20	80UB 50'
3/5/05 ① BZ / 3"	0.0 / 0.0	8:25	97UB 30'
③ BZ / 3"	0.0 / 0.0	8:35	97B 35'
④ BZ / 3"	0.0 / 0.0	9:05	99UB 75'
⑤ BZ / 3"	0.0 / 0.0	9:05	97B 95'
① BZ / 3"	0.0 / 0.0	9:55	110B 40'
② BZ / 3"	0.0 / 0.0	11:15	112B 25'
② BZ / 3"	0.0 / 0.0	11:30	112B 35'

## 1. Key to Reading Types:

Breathing Zone-BZ  
Perimeter-P  
Surface-S

## 2. EPA Levels B, C or D

## Comments:

The following information should be maintained for all projects requiring air monitoring.

## Tailgate Safety Meeting Report

The Tailgate Safety Meeting is to supply Haley & Aldrich staff information regarding potential hazards that may be encountered at the site.

Observations of unsafe work practices/conditions that have developed since previous meeting: \_\_\_\_\_

None  
ME

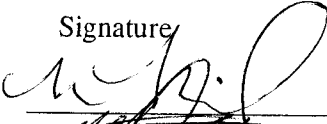
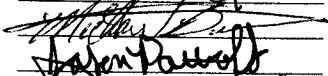
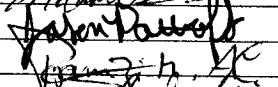
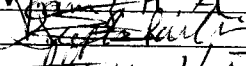
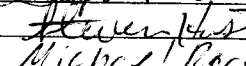
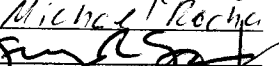
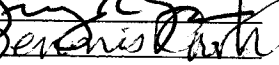
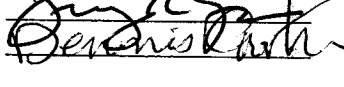
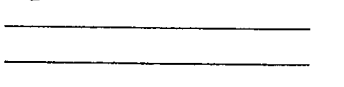
Location of (or changes in the location of) evacuation routes/safe refuge areas: \_\_\_\_\_

MEETING LOCATION OUTSIDE GATES  
H&A FOLDER ON DASH - HOSPITAL MAP / EMERGENCY CONTACTS  
SITE ADDRESS

Additional Comments: PPE, CHEMICAL HAZARDS - TCE, HOUSEKEEPING (SOIL, MASH, WATER)  
BACKUP SPILLERS, FORKLIFT SAFETY, OTHER HEAVY EQUIPMENT

↓  
WHEN YOU  
HAVE TIME

Attendees signatures below indicate that they have attended a briefing on the requirements of the Haley & Aldrich, Inc. Health & Safety Plan for the on-site work tasks, and declare that they understand the provisions and procedures set forth herein while working on this site.

Name (printed)	Signature	Company
Marwan Rashid		WDC
Michael Butler		WDC
Jason Pottruff		WDC
A. Ramzi		Haley & Aldrich
Stephen R. Parker		WDC
Steven Huston		WDC
Michael Roche		WDC
JEREMY R. SANCHEZ		H&A
DENNIS CARLSON		BOEING

Meeting conducted by: TRAVIS HAMMOND Title: ENGINEER

Signature:  Time: TH 3/3/05 7:15



## Tailgate Safety Meeting Report

The Tailgate Safety Meeting is to supply Haley & Aldrich staff information regarding potential hazards that may be encountered at the site.

Observations of unsafe work practices/conditions that have developed since previous meeting: None

Location of (or changes in the location of) evacuation routes/safe refuge areas: None

Additional Comments: Discussion -

1. Slip/fall on wet surfaces
2. Checking equipment & trucks before work & before driving off-site
3. Orange vests on outside of rain gear

Attendees signatures below indicate that they have attended a briefing on the requirements of the Haley & Aldrich, Inc. Health & Safety Plan for the on-site work tasks, and declare that they understand the provisions and procedures set forth herein while working on this site.

Name (printed)	Signature	Company
JEREMY R SQUIRE		H&A
RICHARD HERNANDEZ		WDC
Paul Plamondon		WDC
Michael Butler		W.D.C
Steven Huston		WDC
Stephen Parker		WDC
JOHN ROPS		ICS
JDR TR 116		ICS
Michael Hawthorne		ICS
BRIAN CHASE		ICS
JOHN UNTIET		ICS
Edmund O'Dwyer		E.C.S.
DENNIS CARLSON		WDC
		Basin

Meeting conducted by: JEREMY R SQUIRE

Title: ENGINEER

Signature:

Time: 0715

3/4/05

## Tailgate Safety Meeting Report

The Tailgate Safety Meeting is to supply Haley & Aldrich staff information regarding potential hazards that may be encountered at the site.

Observations of unsafe work practices/conditions that have developed since previous meeting: NONE

Location of (or changes in the location of) evacuation routes/safe refuge areas: \_\_\_\_\_

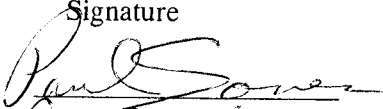
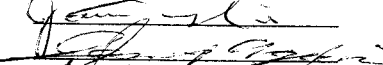

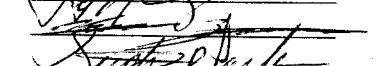

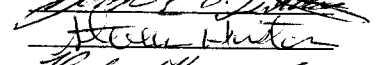
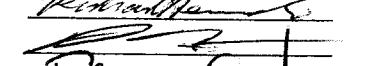
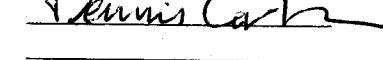

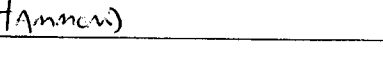
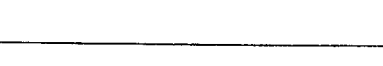

MEETING LOCATION OUTSIDE GATES

HOSPITAL MAP ON DASH

SITE ADDRESS - 1451 1/2 HWY ST

Additional Comments: PPE, CHEMICAL HAZARDS - TCE, BACKUP SPOTTERS & FORWARD SPOTTERS ON PAD, FORKLIFT SAFETY, TRENCH PLATES, HOUSE KEEPING (SOIL, WATER, TRASH, DEBRIS)

Attendees signatures below indicate that they have attended a briefing on the requirements of the Haley & Aldrich, Inc. Health & Safety Plan for the on-site work tasks, and declare that they understand the provisions and procedures set forth herein while working on this site.

Name (printed)	Signature	Company
Paul Sones		HTA
JAVIER RIOS		WDC
Jesus Hernandez		WDC
Carlos Martinez		WDC
Victor Hernandez		WDC
Stephen Parker		WDC
ALBERT GRANT		WDC
Jorge E. Gutierrez		WDC
Stewart Huston		WDC
RICHARD HERNANDEZ		WDC
Paul Alvarado		WDC
DENNIS CARLSON		BOBINTA

Meeting conducted by: TRAVIS HAMMOND Title: ENVIRONMENTAL

Signature:  Time: 5.7 3/5/05

**Site Access Log**  
**Water Remediation Well Installation Program**  
**Former Boeing C-6 Site**  
**Los Angeles, California**

DATE: SA 3/5/05

Page 1 of 1

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Name (printed)	Signature	Company/Time In and Out
Paul Jones	Paul Jones	H+A 6:45
JAVIER RIOS	Javier Rios	W.D.C.
IGNACIO GUTIERREZ	Ignacio Gutierrez	W.D.C. 6:45
Jesús Figueroa	Jesús Figueroa	W.D.C. 6:45
Alberto Hernandez	Alberto Hernandez	W.D.C. 6:45
John G. Alvarez	John G. Alvarez	W.D.C. 6:45
VICTOR ZERMENO	Victor Zermeno	W.D.C. 6:45
Stephen R Parker	Stephen R Parker	W.D.C. 6:45
ALBERT GRANT	Albert Grant	W.D.C. 6:47
Jorge E Gutierrez	Jorge E Gutierrez	W.D.C. 6:47
Paul Alvarez	Paul Alvarez	W.D.C. 6:45
RICHARD HERNANDEZ	Richard Hernandez	W.D.C. 6:45
DENNIS CARLSON	Dennis Carlson	BOWTIE

**BOE-C6-0051406**

## Tailgate Safety Meeting Report

The Tailgate Safety Meeting is to supply Haley & Aldrich staff information regarding potential hazards that may be encountered at the site.

Observations of unsafe work practices/conditions that have developed since previous meeting: \_\_\_\_\_

NONE

Location of (or changes in the location of) evacuation routes/safe refuge areas: \_\_\_\_\_

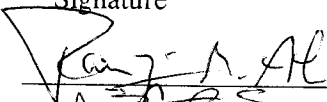
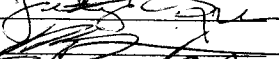

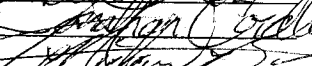
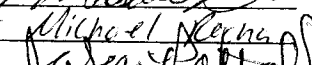
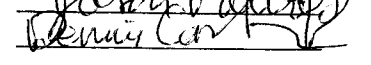
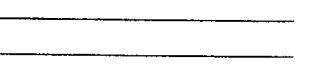
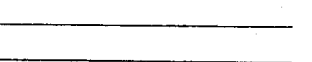

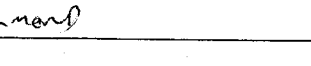
MEET OUTSIDE GATE

HOSPITAL MAR ON DASH

SITE ADDRESS

Additional Comments: PPE, CHEMICAL HAZARDS - TCE, HOUSEKEEPING / FINAL CLEANUP  
DRUMS, PLASTIC, PLASH, FORK LIFT SAFETY, HOV EQUIPMENT

Attendees signatures below indicate that they have attended a briefing on the requirements of the Haley & Aldrich, Inc. Health & Safety Plan for the on-site work tasks, and declare that they understand the provisions and procedures set forth herein while working on this site.

Name (printed)	Signature	Company
R. Ramzi		Haley & Aldrich
JEREMY SQUIRE		Haley & Aldrich
Paul H/mgner		WDC
Edmund C. Dyer		WDC
Stevenson Hapton		WDC
Jonathan Corallo		WDC
Michael Dittler		WDC
Michael Kohn		WDC
Jason Patton		WDC
Dennis Carlson		BOEING

Meeting conducted by: Tamara Hammond Title: ENVIRONMENTAL

Signature:  Time: 8:15



## Tailgate Safety Meeting Report

The Tailgate Safety Meeting is to supply Haley & Aldrich staff information regarding potential hazards that may be encountered at the site.

Observations of unsafe work practices/conditions that have developed since previous meeting: NONE

Location of (or changes in the location of) evacuation routes/safe refuge areas: \_\_\_\_\_

MEET OUTSIDE GATE

HOSPITAL MAP ON DASH

SITE ADDRESS

Additional Comments: PPE, CHEMICAL HAZARDS - TCE, HEAVY EQUIPMENT SAFETY, HOUSEKEEPING

Attendees signatures below indicate that they have attended a briefing on the requirements of the Haley & Aldrich, Inc. Health & Safety Plan for the on-site work tasks, and declare that they understand the provisions and procedures set forth herein while working on this site.

Name (printed)

Signature

Company

3/8/05 Jason Pottruff  
Ignacio Gutierrez  
R. Ramzi

Jason Pottruff  
Ignacio Gutierrez  
Ramzi Al

W.D.C.  
W.D.C.  
H & A

3/9/05 R. Ramzi  
Jason Pottruff  
Quinton Hopper  
Ignacio Gutierrez  
DENNIS CARLSON

Ramzi Al  
Jason Pottruff  
Quinton Hopper  
Ignacio Gutierrez  
Dennis Carlson

H&A  
W.D.C.  
W.D.C.  
W.D.C.  
W.D.C.  
130.0714

Meeting conducted by: TRANS HAMMOND Title: ENGINEER

Signature: [Signature] Time: TU 3/8/05



## Tailgate Safety Meeting Report

The Tailgate Safety Meeting is to supply Haley & Aldrich staff information regarding potential hazards that may be encountered at the site.

Observations of unsafe work practices/conditions that have developed since previous meeting: \_\_\_\_\_

NONE

Location of (or changes in the location of) evacuation routes/safe refuge areas: \_\_\_\_\_

MEETING LOCATION OUTSIDE GATE

HOSPITAL MAP / EMERGENCY CONTACT ON DASH

SITE ADDRESS 1451 KNOX ST.

Additional Comments: PPE, CHEMICAL HAZARDS - TCE, HEAVY EQUIPMENT, HOUSE KEEPING

Attendees signatures below indicate that they have attended a briefing on the requirements of the Haley & Aldrich, Inc. Health & Safety Plan for the on-site work tasks, and declare that they understand the provisions and procedures set forth herein while working on this site.

Name (printed)

Signature

Company

Jason Pottroff

Jason Pottroff

W.D.C.

IGNACIO GUTIERREZ

IGNACIO GUTIERREZ

W.D.C.

R. Kamzi

R. Kamzi

H & A

Meeting conducted by: TRAVIS HAMMOND Title: PWS

Signature: [Signature] Time: TH 3/10/05

**BOE-C6-0051411**